

Welcome to More Choice

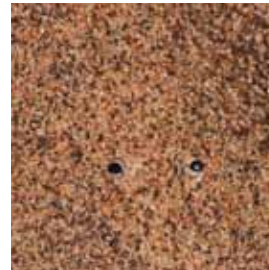
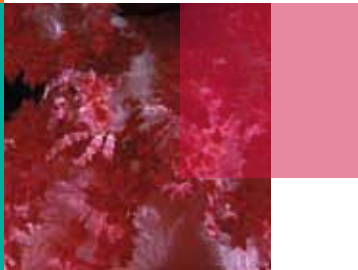
BD Multicolor Antibody Reagents Catalog

13th Edition

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Human
Mouse
Non-Human Primate



Welcome to More Choice

BD Multicolor Antibody Reagents Catalog

Human

Mouse

Non-Human Primate

BD continues to provide more choices for multicolor flow cytometry applications by expanding our portfolio and color options. Check out the newly released BD Horizon Brilliant™ Violet reagents. These dyes are very bright, and in many cases, provide unprecedented brightness for violet laser applications. Choose from BD Horizon Brilliant™ Violet 421 (BV421), BD Horizon Brilliant™ Violet 510 (BV510), BD Horizon Brilliant™ Violet 605 (BV605), BD Horizon Brilliant™ Violet 650 (BV650), BD Horizon Brilliant™ Violet 711 (BV711), and BD Horizon Brilliant™ Violet 786 (BV786).

Expand your multicolor panels with new dyes for the UV laser, BD Horizon Brilliant™ Ultraviolet 395 and BD Horizon Brilliant™ Ultraviolet 737.

Check out the newest dye in the BD Horizon Brilliant™ family, BD Horizon Brilliant™ Blue 515, which offers a brighter alternative to FITC with less spillover into the PE channel.

Look for newly released products as we continue our commitment to provide more choices for multicolor assays.

More Sizes

BD now offers a wide variety of antibody conjugates in small and large vial sizes.

Small sizes (25 test or 25 µg) are now available for hundreds of specificities.

- Use the small-size formats to determine feasibility of pilot experiments.
- Design and optimize multicolor panels with our small sizes.

Larger sizes (250 or 500 tests) are now available for many of the common markers.

- Use this convenient package size for routine assays or large studies.
- Easily obtain the same lot of conjugate for the duration of a study.
- Larger sizes are formulated to have small volumes per test (5 µL/test), optimal for multiplexing with other conjugates.



BD Biosciences Fluorochrome Specifications

Use our Fluorochrome Specifications chart to determine which fluorochromes are excited by the lasers on your instrument. Visit bdbiosciences.com/colors for more detailed information about our newest fluorochromes and instrumentation, as well as tools to help you build multicolor panels.

Fluorochrome	Fluorescence Emission Color	Ex-Max (nm)	Excitation Laser Line (nm)*	Em-Max (nm)	Analyzers					Sorters		
					BD Accuri™ C6	BD FACSCalibur™	BD FACSVerser™ §	BD FACSCanto™ II	BD LSRFortessa™ X-20	BD FACSAria™ Product Family	BD Influx™	BD FACSJazz™
BD Horizon™ BUV395	Violet	348	355	395					●			
Hoechst 33342	Blue	350	355, 375	461					●	●	●	
BD Horizon™ BV421	Blue	407	405	421			●	●	●	●	●	●
BD Horizon™ V450	Blue	404	405	448			●	●	●	●	●	●
Pacific Blue™	Blue	401	405	452			●	●	●	●	●	●
BD Horizon™ V500	Green	415	405	500			●	●	●	●	●	●
BD Horizon™ BV510	Green	405	405	510			●	●	●	●	●	●
BD Horizon™ BB515	Green	490	488	515	●	●	●	●	●	●	●	●
Alexa Fluor® 488	Green	495	488	519	●	●	●	●	●	●	●	●
FITC	Green	494	488	519	●	●	●	●	●	●	●	●
PE	Yellow	496, 564	488, 532, 561	578	●	●	●	●	●	●	●	●
BD Horizon™ BV605	Orange	407	405	602					●	●	●	●
BD Horizon™ PE-CF594	Orange	496, 564	488, 532, 561	612			●	●	●	●	●	●
PI	Orange	351	488, 532, 561	617	●	●	●	●	●	●	●	●
7-AAD	Red	543	488, 532, 561	647	●	●	●	●	●	●	●	●
BD Horizon™ BV650	Red	407	405	650					●	●	●	●
APC†	Red	650	633, 635, 640	660	●	●	●	●	●	●	●	●
Alexa Fluor® 647	Red	650	633, 635, 640	668	●	●	●	●	●	●	●	●
PE-Cy™5†	Red	496, 564	488, 532, 561	667	●¶	●	●	●	●	●	●	●
PerCP	Red	482	488, 532	678	●	●	●	●	●‡	●	●‡	●
PerCP-Cy™5.5	Far Red	482	488, 532	695	●	●	●	●	●	●	●	●
Alexa Fluor® 700	Far Red	696	633, 635, 640	719			●	●	●	●	●	●
BD Horizon™ BV711	Far Red	407	405	711					●	●	●	●
BD Horizon™ BUV737	Far Red	348	355	737					●			
PE-Cy™7	Infrared	496, 564	488, 532, 561	785	●	●	●	●	●	●	●	●
APC-Cy7	Infrared	650	633, 635, 640	785			●	●	●	●	●	●
BD™ APC-H7	Infrared	650	633, 635, 640	785			●	●	●	●	●	●
BD Horizon™ BV786	Infrared	407	405	786					●	●	●	●

* The excitation laser line represents commonly used lasers that excite the fluorochrome. It does not necessarily reflect the lasers available for each particular instrument.

† APC and PE-Cy5 may be used together on instruments with cross-beam compensation.

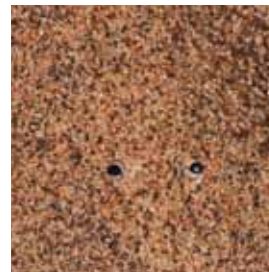
‡ Sensitivity for PerCP with high-power lasers (>25 mW) is reduced and is only recommended for known highly expressed markers.

§ Capable of detecting 8 colors simultaneously (4 blue laser, 2 red laser, 2 violet laser). BD Horizon PE-CF594 and Alexa Fluor® 700 filters are available separately.

¶ Extra care must be taken to avoid spillover.



Megaphasma denticrus, or giant walking stick, manages to remain hidden despite being the longest insect in North America. Primarily found in Texas where this specimen was photographed, the species grows to over 6 inches and is thought to range in wooded areas and grasslands across the southern United States.



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BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)		Violet Laser (405 nm)						
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	1	2	3	4	5	6	
Product Name	Clone	React											395 nm	737 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm
													BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
CD1a	HI149	Hu	+	+	+	-	+	-	-	-					563939 563938			563482 563481				
	SK9	Hu	+	+	+	-	+	-	-	-												
CD1b	M-T101	Hu	+	+	+	-	+	-	-	-												
CD1d	CD1d42	Hu	+	+	+	-		-	-	-		+						563507 563506				
CD2 (LFA-2)	RPA-2.10	Hu	+	+		+		-	-	-			563820 563819		562667 562639							
	L303.1	Hu	+	+		+		-	-	-												
	S5.2	Hu	+	+		+		-	-	-						644485*						
CD3	HIT3a	Hu	+	-		-	-	-	-	-	-	-										
	SK7	Hu	+	-		-	-	-	-	-	-	-	564000 564001		563797 563798				563217 563219	564003 563999		563799 563800
	UCHT1	Hu	+	-		-	-	-	-	-	-	-	563548 563546	564308 564307	562427 562426	560366 560365 561812 [‡]	561417 561416	563109		563851 563852	563724 563725	
CD4	RPA-T4	Hu	+	-		-	+	+	-	-	-	-			562425 562424	560346 560345 561838 [‡]	560769 560768		562659 562658			
	SK3	Hu	+	-		-	+	+	-	-	-	-	563552 563550	564306 564305				562971 562970		563876 563875	563033 563028	563881 563877
CD4 v4	L120	Hu																				
CD5	L17F12	Hu	+	+		-	-	-	-	-						644487*						
	UCHT2	Hu	+	+		-	-	-	-	-					562646	561154		563380 563381	563945		563170	
CD6	M-T605	Hu	+	+			-	-	-	-												

+ Positive[§] - Negative

[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Clone

Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin	
	1			2	3		4			5	1	2	3	4	1		2	3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm		
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
CD1a		560945 555806		561754 555807		555808				561754 555807		555808		561755 559775						
				341651*						341651*										
CD1b		555969																		
CD1d				561757 550255						561757 550255				563626 563505						
CD2 (LFA-2)		561759 555326		561760 555327	562319 562300	555328		560643		561760 555327	562319 562300	555328		560642				562638	555325	
									335786*				335786*							
		347593*		347597*						347597*				341022*						
		555339 561802		561803 555340		561006 555341				561803 555340		561006 555341		555342					555338	
CD3				347347*			347344*	340949*	560910 341091* 557851	347347*			560910 341091* 557851	340440*			561800 341090* 557832	560275 560176 641397*		
	564466 564465	561806 555332 555916 561807†	557694	561808 555333 561809†	562310 562280	561007 555334		560835	563423	561808 555333 561809	562310 562280	561007 555334	563423	561810 555335 561811†	557706	561027 557943			555331	
CD4	564420 464419	561005 555346 561842†	557695	561843 555347 561844†	562316 562281	561004 555348		560650	560649	561843 555347 561844†	562316 562281	561004 555348	560649	561840 555349 561841†	557707	561030 557922	561839 557871	560251 560158	555345	
				347327*			347324*	341654*	560909 348789* 557852	347327*			348789* 557852	340443*			341095*	641398*	347321*	
CD4 v4		340422*		340419*						340419*										
CD5		347303*		347307*				341089*	348790*	347307*			348790*	340583*					347301*	
		561896 555352		561897 555353		555354				561897 555353		555354		561003 555355		561159	563516		555351	
CD6		555357		555358						555358										

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

* RUO (GMP) status reagents

† Denotes that the product is a large size (250 or 500 tests)

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BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)		Violet Laser (405 nm)						
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	1	2	3	4	5	6	
Product Name	Clone	React	395 nm	737 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
CD7	4H9	Hu	+	-		+	-	-	-	-												
	M-T701	Hu	+	-		+	-	-	-	-			563845		562635	642916*		563650				564018
CD8	G42-8	Hu																				
	HIT8a	Hu																				
	RPA-T8	Hu											563796 563795		562429 562428	560348 560347	560775 560774	563256		563822 563821	563677 563676	563824 563823
	SK1	Hu															561617	563919	564115 564116			
CD8b	2ST8.5H7	Hu	+	-		-	-	-	-	-	-											
CD9	M-L13	Hu	+	+			+	+	+		+	+				561326		563640				
CD10	HI10a	Hu	-		-	+	-	-	-		+		563871		562902			563032	562978	563734		
	W8E7	Hu	-		-	+	-	-	-		+											
CD11a (Integrin α^L chain, LFA-1 α)	HI111	Hu [†]	+	+		+	+	+		-	-							563480 563479				
	G-25.2	Hu	+	+		+	+	+		-	-											
	G43-25B	Hu	+	+		+	+	+		-	-											
CD11b (CR3)	D12	Hu	+	+	+	+	+	+		-	-											
CD11b/Mac-1 (CR3)	ICRF44	Hu [†]	+	+	+	+	+	+							562632	560481 560480		563088				
CD11c (Integrin α^X chain)	B-ly6	Hu	+	+	+	+	+	+		-	-		563788 563787		562561	560370 560369		563026	563930 563929	563403 563404	563130	
CD11c (ITGAX, CD11C Integrin α^X chain)	S-HCL-3	Hu																				

+ Positive[§] - Negative

[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Clone

Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin
	1			2	3	4			5	1	2	3	4	1		2	3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD7		347483*																	
		561933 340737* 555360		561934 340581* 555361			555362		561602	564019	561934 340581* 555361		555362		561604		561603		564020
CD8		551347																	
		560960 555634		560959 555635		561946 555636					560959 555635		561946 555636						
		561947 555366 561948†	557696	561949 555367 561950†	562311 562282	561951 555368		560662	560917 557746	561949 555367 561950†	561311 562282	561951 555368	560917 557746	561952 555369 561953†	557708	561026 557945			555365
		347313*					347314*	341051*	335787*				335787*	340584*			561945 348793* 557834	560273 560179 641400*	
CD8b				641057*						641057*				641058*					
CD9		341646* 555371		341647* 555372	563641			341649* 561329		341647* 555372	563641			341648*					
CD10		340925*		561002 340921* 555375	562396	561676 555376		563508	341092*	561002 340921* 555375	562396	561676 555376	341092*	340923*		563509			
		347503*																	
CD11a (Integrin α ^L chain, LFA-1α)		555383		555384		551131			561387	555384		551131	561387	559875					
		347983*																	
		555379		555380						555380									
CD11b (CR3)				347557*						347557*				340937*					
CD11b/Mac-1 (CR3)		562793	561687 557701	561001 555388		561686 555389			561685 557743	561001 555388		561686 555389	561685 557743	561015 550019		557918	560914 557754	555387	
CD11c (Integrin α ^X chain)	564491 564490	561355		560999 555392	562393	561692 551077			561356	560999 555392	562393	561692 551077	561356	560895 559877		561352			
CD11c (ITGAX, CD11C Integrin α ^X chain)				347637*						347637*				340544*					

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

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			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	1	2	3	4	5	6		
Product Name	Clone	React	395 nm	737 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
CD13	L138	Hu	+	-	-	+	+	-	-	+	+	+											
	WM15	Hu	+	-	-	+	+	-	-	+	+	+			562596								
CD14	M5E2	Hu [†]	-	-	-	+	+								561390	561392 561391		564055 564054	563420 563419			563699 563698	
	M _q P9	Hu	-	-	-	+	+						563562 563561		563744 563743	560350 560349	562693	563079			563373 563372		
CD15	HI98	Hu	-	-	-	+	+	-	-	-		+	563872			561584	561585						563838
	MMA	Hu	-	-	-	+	+	-	-	-		+			642917*								
	W6D3	Hu	-	-	-	+	+	-	-	-		+					563141	562979 562980			563142		
CD15s	CSLEX1	Hu	+	+		+	+							563912			563529				563910		
CD16	3G8	Hu [†]	+	-	+	+	+	-	-				563784 563785		562878 562874	560475 560474 644489*	561393 561394	563829 563830	563173 563172	563691 563692	563127	563689 563690	
	B73.1	Hu	+	-	+	+	+	-	-							561310							
	NKP15	Hu	+	-	+	+	+	-	-														
CD16b	CLB-gran11.5	Hu					+	-	-														
CD18 (Integrin β ₂ chain, CR3/CR4)	L130	Hu	+	+	+	+	+	+	-	-													
	6.7	Hu [†]	+	+	+	+	+	+	-	-					562871								
CD19	4G7	Hu	-	+	+	-	-	-	-	-	-	+											
	HIB19	Hu	-	+	+	-	-	-	-	-	-	+			562441 562440	560354 560353	561125 561121						
	SJ25C1	Hu	-	+	+	-	-	-	-	-	-	+	563551 563549	564304 564303		644491*		562953 562947	562654 562653	563227 563226	563038 563036	563326 563325	

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	1			2	3	4			5	1	2	3	4	1		2	3			
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm		
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
CD13				347837*					338425*	347837*			338425*							
				560998 555394	562491			561361	561599	560998 555394	562491		561599	561698 557454						
CD14		561712 555397	561706 557700	561707 555398				561116 550787	560919 557742	561707 555398			560919 557742	561708 555399		561029 557923				
		347493*	562689	347497* 562691	562334 562335		340585*	562692	562698	347497* 562691	562334 562335			340436*	562690		561709 333945* 557831	560270 560180 641394*		
CD15		560997 555401		561715 555402	562463			560828	560827	561715 555402	562463		560827	561716 551376						
		347423*																		
CD15s			563528		563527										563526					
CD16		560996 555406		560995 555407	562320 562293	561725 555408		338426* 560717	560918 557744	560995 555407	562320 562293	555408 561725	560918 557744		561724 557710	557920 560713	561726 557758	560248 560195	555405	
			561308		347617* 561313				335788*	347617* 561313			335788*	561304				561306		
			347523*																	
CD16b				550868						550868										
CD18 (Integrin β ₂ chain, CR3/CR4)		347953*																		
			555923		555924		557528			555924		557528		551060						
CD19			347543*					347544*												
		564457 564456	560994 555412	561741 557697	555413	562321 562294	560993 555414		561295	560728	561741 555413	562321 562294	560993 555414	560728	561742 555415		561031 557921		560727	555411
			340409*		340364*			340421*	340951*	560911 341093* 557835	340364*			560911 341093* 557835	340437*			561743 348794* 557791	560252 560177 641395*	

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)		Violet Laser (405 nm)						
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	1	2	3	4	5	6	
Product Name	Clone	React	395 nm	737 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
CD20	2H7	Hu	+	+	-	-	-	-	-	-	-	-	563781 563782		562873			563067	563783	563779 563780	563126	
	H1	Hu	+	+											563346							
	L27	Hu	+	+	-	-	-	-	-	-	-	-				642274* 561164						
CD21 (CR2)	B-ly4	Hu [†]	+	+	+	-	-	-	-	-	+	+			562966	561381						563163
CD22 (BL-CAM)	HIB22	Hu	-	+	-	-	-	-	-	-	-	+										
	S-HCL-1	Hu	-	+	-	-	-	-	-	-	-	+										
CD23	EBVCS-5	Hu	+	+	+	-	+	+	+	-	-	+										
	M-L233	Hu	+	+	+	-	+	+	+	-	-	+			562707							
CD24 (Heat stable antigen)	ML5	Hu	-	+	-	-	-	+	-	-	+	-	563818		562789			563035	562788	563720	563371 563401	
CD25 (IL-2 receptor α chain)	2A3	Hu	+	+	-	+	+	-	-	-	-	-	564034		564033				562661 562660		563159	
	M-A251	Hu	+	+	-	+	+	-	-	-	-	-			562443 562442	560356 560355		563351 563352		563718 563719		563700 563701
CD26	L272	Hu	+	+	-	+	+	-	-	-	-	+										
	M-A261	Hu	+	+	-	+	+	-	-	-	-	+										
CD27	L128	Hu	+	+	-	+	-	-	-	-	-	-	563816 563815	564302 564301				563090 563092	562656 562655	563229 563228	563167	563328 563327
	M-T271	Hu [†]	+	+	-	+	-	-	-	-	-	-				560458 560448	561223 561222					
CD28	CD28.2	Hu	+	-	-	-	-	-	-	-	-	-			562613	561377		563075	562976		563131	
	L293	Hu	+	-	-	-	-	-	-	-	-	-										
CD29 (IL-2 Receptor β ₁ chain)	MAR4	Hu	+	+	+	+	+	+	+		+	+						563514 563513				
	HUTS-21	Hu	+	+	+	+	+	+	+		+	+										

+ Positive[§] - Negative

[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Clone

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin	
	1			2	3		4			5	1	2	3	4	1		2	3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm		
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
CD20		560962 555622		560961 555623	562322 562295	561761 555624		560736	560735	560961 555623	562322 562295	561761 555624	560735	560900 559776		560631		560734		
		347673*		346595* 347201*			347674*	340955*	335793*	346595* 347201*			335793*	340941*			335794*	641396*		
CD21 (CR2)		561372		561768 555422	563474	551064			561374	561768 555422	563474	551064	561374	561767 559867						
CD22 (BL-CAM)		561771 555424		562859		555425		563942	563941	562859		555425		562860						
		347573*		347577*						347577*				340933*						
CD23				341007*						341007*				340935*						
		561146		561774 555711				561166	561167	561774 555711			561167	558690		563673		555709		
CD24 (Heat stable antigen)		560992 555427		560991 555428	562405			561647	561646	560991 555428	562405		561646		561644					
CD25 (IL-2 receptor α chain)	564468 564467	347643*		341009*					335789*	341009*			335789*	340939*						
		560990 555431		560989 555432	562403	560988 555433		560503	560920 557741	560989 555432	562403	560988 555433	560920 557741	560987 555434		561398	561782 557753	560244 560225		
CD26		340426*		340423*						340423*										
		555436		555437						555437				563670						
CD27		340424*		340425*						340425*				337169*						
		560986 555440		560985 555441	562324 562297			560612	560609	560985 555441	562324 562297		560609	561786 558664		560611		560223 560222		
CD28	564493 564492	561790 555728		561793 555729	562323 562296	561791 555730			560684	561793 555729	562323 562296	561791 555730	560684	561792 559770				561368	555727	
				348047*				337181*		348047*										
CD29 (IL-2 Receptor β ₁ chain)				561795 555443		559882				561795 555443		559882		561794 559883						
				556049						556049										

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

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BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Emission Max										UV Laser (355 nm)		Violet Laser (405 nm)							
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	1	2	3	4	5	6	
Product Name	Clone	React											395 nm	737 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm
													BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
CD30 (Ki-1)	BerH8	Hu	+	+		+	+	-	-	-	+	-			562876							
	Ber-H83	Hu	+	+		+	+	-	-	-	+	-										
CD31 (PECAM-1)	L133.1	Hu	+	+		+	+	+	+	-	+											
	M89D3	Hu	+	+		+	+	+	+	-	+											
	WM59	Hu	+	+		+	+	+	+	-	+				564089	561653		563454	562855			
CD32 (FcγRII)	3D3	Hu																				
	FL18.26	Hu																				
CD33	HIM3-4	Hu	-	-	+	-	+	+	-	-	-	-										
	P67.6	Hu	-	-	+	-	+	+	-	-	-	-										
	WM53	Hu	-	-	+	-	+	+	-	-	-	-			562854	561157		563257			563171	
CD34 (gp 105-120)	563	Hu	-	-	-	-	-	-	-	-	+											
	581	Hu	-	-	-	-	-	-	-	-	+		563778		562577							
	8G12	Hu	-	-	-	-	-	-	-	-	+											
CD35 (CR1)	E11	Hu	+	+	+	-	+	+	-	+												
CD36	CB38 (NL07)	Hu	-	-	+	-	+	-	+	+	+	-				561535			563518			
CD37	M-B371	Hu	+	+		-	+	+	-	-							561548					
CD38	HB7	Hu	+	+	+	+	+	-				+	563812 563811			646851*			562666 562665			
	HIT2	Hu	+	+	+	+	+	-				+			562445 562444	561378		563251			563965	563964
CD39 (ENTPD1, NTPDase)	TÜ66	Hu	+	+	+	+	+		-		+	+			563679					563681	563680	
CD40	5C3	Hu	-	+	+	-	+	-		-	+	+			563396			563456			563397	

+ Positive[§] - Negative

[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Clone

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin
	1			2	3	4			5	1	2	3	4	1		2	3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD30 (Ki-1)		555829		550041						550041				563500					555828
		341644*		341645*						341645*									
				340297*						340297*									
CD31 (PECAM-1)			558068												558094				
		560984 555445		560983 555446	563652				563651	560983 555446	563652		563651		561654		563653		
CD32 (FcγRII)		552883		552884						552884									
		555448		550586						550586				559769					
CD33		561818 555626																	
		340533*		347787*				341650*	333946*	347787*			333946*	340474*					
				561816 555450		551377				561816 555450		551377		561817 551378		561160			
				550761						550761									
CD34 (gp 105-120)		560942 555821		560941 555822		561819 555823			560710	560941 555822		561819 555823	560710	560940 555824		561440			
		348053*		348057*			340430*	347203*	348791*	348057*			348791*	340441*					
CD35 (CR1)		555452		559872						559872									
CD36		561820 555454		561821 555455				561536		561821 555455									
CD37		555457		561546				561563		561546					561562				
CD38			340927*	342371* 347687*					335790*	342371* 347687*			335790*	340439*					
		564499 564498	560982 555459		560981 555460	562325 562288	561823 555461		561106 551400	560677	560981 555460	562325 562288	561823 555461	560677	560980 555462		560676		
CD39 (ENTPD1, NTPDase)			561444	555464	563678					555464	563678			560239					
CD40		561847 555588		560963 555589			555590		561215	560963 555589		555590	561215			561208		561211	

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin
	1			2	3	4			5	1	2	3	4	1		2	3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD41a		561851 555466		560979 557297 555467		559768		340931*	561424	560979 557297 555467		559768	561424	561852 559777				561422	
CD41b		555469																	
CD42a		561853 558818		558819						558819									
		348083*					340537*												
CD42b		561855 555472		561854 555473		551141				561854 555473		551141							
CD43 (Leukosialin)		560978 555475		560199				563521	563522	560199			563522	560198					
CD44 (Pgp-1, H-CAM, Ly24)				550989						550989									
		560977 555478		561858 555479	562818			560531	560533	561858 555479	562818		560533	560890 559942		561289		560532	
		347943*																	
CD45 (Leucocyte common antigen)		347463*					347464*	340953*						340943*			561863 348795* 557833	560274 560178 641399*	
		560976 555482 561865†	557669	560975 555483 561866†	562312 562279	560974 555484		564106 564105	560915 557748	560975 555483 561866†	562312 562279	560974 555484	560915 557748	560973 555485 561864†		560566		555481	
CD45R/B220		561877 553087 553088	557669	561878 553089 553090	562313 562290	561879 553091	561086 553093	561101 552771	561881 552772	561878 553089 553090	562313 562290	561879 553091	561881 552772	561880 553092	557683	557957	561102 552094	553085 553086	
CD45RA		561882 555488		561883 555489	562326 562298	561885 555490		563429	560675	561883 555489	562326 562298	561885 555490	560675			560673		560674	
		347723*							337167*				337167*						
CD45RB				555904						555904									
CD45RO		561887 555492		561889 347967* 555493	562327 562299	561888 555494		560607	337168* 560608	561889 347967* 555493	562327 562299	561888 555494	337168* 560608	560899 559865 340438*		561136		561137	

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BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)		Violet Laser (405 nm)							
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	1	2	3	4	5	6		
Product Name	Clone	React	395 nm	737 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
CD46 (MCP)	E4.3	Hu	+	+		+	+	+	+	-	+	+											
CD47 (IAP)	B6H12	Hu	+	+		+	+	+	+	+	+	+			563760	561594			563759		563761	563758	
CD48 (BCM1)	TÜ145	Hu	+	+	+	+	+	-	-	-		+			562718								
CD49a (Integrin α_1 chain)	SR84	Hu	+	-		+	+	-	-	-	-												
CD49b (Integrin α_2 chain)	12F1	Hu	+	+		+	+	-	+	-	+	+											
	AK-7	Hu	+	+		+	+	-	+	-	+	+											
CD49c (Integrin α_3 chain)	C3 II.1	Hu	+	+		-	+			-	+	+											
CD49d (Integrin α_4 chain)	9F10	Hu [†]	+	+	+	+	+	-	-	-	+						563458				563177		
	L25	Hu	+	+	+	+	+	-	-	-	+	+											
CD49e (Integrin α_5 chain)	IIA1	Hu [†]	+		+	+	+			+	+	+											
CD49f (Integrin α_6 chain)	GoH3	Hu [†]	+				+		+		+	+					563271		563706 563707				
CD50 (ICAM-3)	TÜ41	Hu	+	+		+	+	+	-	-	+	-	+										564212
CD51/61	23C6	Hu [†]																					
CD52	4C8	Hu	+	+	+		+	+				+					563305						
CD53	HI29	Hu	+	+	-	+	+	+	-	-		-	+										
CD54 (ICAM-1)	HA58	Hu	+	+			+				+				564077							564078	
	LB-2	Hu	+	+			+				+												
CD55 (DAF)	IA10	Hu	+	+		+	+	+	+	+	+	+											

+ Positive[§] - Negative

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	1			2	3	4			5	1	2	3	4	1		2	3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD46 (MCP)		555949																	
CD47 (IAP)		556045		556046				561261		556046					561249				
CD48 (BCM1)		555759		552855	562717					552855	562717								
CD49a (Integrin α_1 chain)				559596						559596									
CD49b (Integrin α_2 chain)				555669						555669									
		555498																	
CD49c (Integrin α_3 chain)				556025						556025									
CD49d (Integrin α_4 chain)		560840		560972 555503	563645	559880		563644		560972 555503	563645	559880		561892 559881					
				340296*						340296*									
CD49e (Integrin α_5 chain)				561894 555617						555617					563578			555616	
CD49f (Integrin α_6 chain)		561893 555735		561894 555736	562493 562474	551129		562495 562475		561894 555736	562493 562474	551129			562494 562473				
CD50 (ICAM-3)		555958		564209						564209									
CD51/61		555505		550037						550037									
CD52			563609	562945						562945					563610			563611	
CD53				555508						555508									
CD54 (ICAM-1)				560971 555511		555512				560971 555511		555512		561899 559771				559817	
				347977*						347977*									
CD55 (DAF)		561900 555693		561901 341030* 555694		555695				561901 341030* 555694		555695		555696				555692	

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Product Name	Clone	React	395 nm	737 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
CD56 (N-CAM)	B159	Hu	+			+										560361 560360						
	MY31	Hu	+			+																
	NCAM16.2	Hu	+			+							563555 563554				563041	562779 562780		563169	564058	
	R19-760	Hu	+			+																
CD57	HNK-1	Hu	+			+										563896			563895			
	NK-1	Hu	+			+																
CD58 (LFA-3)	1C3	Hu [†]	+	+	+	+	+	+		+	+	+										
	L306.4	Hu	+	+	+	+	+	+		+	+	+										
CD59	p282 (H19)	Hu	+			+	+	+		+												
CD61 (Integrin β ₃ chain)	VI-PL2	Hu [†]					+			+		+						563303				
	RUU-PL7F12	Hu					+			+		+										
CD62E (E-selectin)	68-5H11	Hu													563360				563359		563358	
CD62L (L-selectin)	SK11	Hu	+	+		+	+	+														
	Dreg 56	Hu	+	+		+	+	+					563862			560441 560440		563203		563808		
CD62P (P-selectin)	AC1.2	Hu [†]								+		+										
	AK-4	Hu								+		+			564037 564038					564035 564036	563714 563715	
CD63	H5C6	Hu [†]	+	+	-	+	+	+		+		+				561984						
CD64	10.1	Hu														562872	561202		563459			
CD66 (CEA, carcino-embryonic antigen)	B1.1/CD66	Hu	-	-		-		+		-		-		+							562741	

+ Positive[§] - Negative

[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Clone

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin
	1			2	3	4			5	1	2	3	4	1		2	3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD56 (N-CAM)	564489 564488	562794	561905 557699	561903 555516	562328 562289	561904 555517		560842	560916 557747	561903 555516	562328 562289	561904 555517	560916 557747	555518	557711	561902 557919			555515
				347747*						347747*									
		340410*		340363*					335791*	340363*			335791*	341025*					
				563238						563238					563443				
CD57		347393*																	347391*
		561906 555619		560844	562488					560844	562488			560845					
CD58 (LFA-3)		561907 555920		555921		551399				555921		551399			563567				
				340295*						340295*									
CD59		560954 555763		560953 555764						560953 555764									555762
CD61 (Integrin β ₃ chain)		561913 555753		561912 555754						561912 555754									
		348093*					340506*												
CD62E (E-selectin)				551145		550040				551145		550040		551144					555649
CD62L (L-selectin)		347443*		341012*						341012*									
		561914 555543		555544	562330 562301	561915 555545				555544	562330 562301	561915 555545		561916 559772					
CD62P (P-selectin)				348107*						348107*									
		561922 555523		561921 555524		551142				561921 555524		551142		561920 550888					
CD63		561926 557288		561925 556020				561982		561925 556020			561982		561983				
CD64		560970 555527		561926 558592 644385*			561194	561191		561926 558592 644385*			561191	561189		561188		561190	555526
CD66 (CEA, carcino-embryonic antigen)		551479		551480						551480									

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)		Violet Laser (405 nm)						
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	1		2		3	4	5
Product Name	Clone	React	395 nm	737 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
CD66b	G10F5	Hu	-	-	-	-	-	-	-	-	-	-			562940	561649						
CD66c (CEA, carcino-embryonic antigen)	B6.2/CD66c	Hu	-	-	-	-	-	-	-	-	-	-										
CD68	Y1/82A	Hu	+	+	+	-	+	+	-	-	-	+										
CD69 (Very early activation antigen)	FN50	Hu [†]	+	+	-	+	+	+	+	-	-	-			562884	560740			562989	563835	563836	563834
	L78	Hu	+	+	-	+	+	+	+	-	-	-										
CD70	Ki-24	Hu	+	+	-	-	-	-	-	-	-	-										
CD71 (Transferrin receptor)	L01.1	Hu	-	-	-	-	-	-	-	-	+	+										
	M-A712	Hu	-	-	-	-	-	-	-	-	+	+			562995						563767	563768
CD72	J4-117	Hu	-	+	-	-	+	-	-	-	-	+										
CD73 (Ecto-5'-nucleotidase)	AD2	Hu	+	+	+	-	-	-	-	-	+	+			562431 562430	561255		563198	563199			
CD74	M-B741	Hu	+	+	+	-	+	-	-	-	+	+										
CD75	LN1	Hu	-	+	-	-	+	-	-	+	-	-										
CD77	5B5	Hu	-	+	-	-	-	-	-	-	+	+						563630				
CD79a (Igα, mb-1)	HM47	Hu [†]	-	+	-	-	-	-	-	-	-	-			562852							
CD79b (Igβ)	CB3-1	Hu	-	+	-	-	-	-	-	-	-	-										
	SN8	Hu	-	+	-	-	-	-	-	-	-	-										
CD80 (B7-1)	BB1	Hu	+	+	+	-	+	-	-	-	-	-										
	L307.4	Hu	+	+	+	-	+	-	-	-	-	-				560444 560442		563084	563315			

+ Positive[§] - Negative

[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin
	1		2	3	4			5	1	2	3	4	1		2	3			
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD66b		561927 555724		561650				562254		561650					561645				
CD66c (CEA, carcino-embryonic antigen)		551775		551478						551478									
CD68		562117		556078						556078					562111				
CD69 (Very early activation antigen)		560969 555530		560968 555531	562617	555532			561928 557745	560968 555531	562617	555532	561928 557745	560967 555533		560739	560912 557756		
		347823*		341652*			340548*		335792*	341652*			335792*	340560*					
CD70		555834		561935 555835	562484					561935 555835	562484								
CD71 (Transferrin receptor)		347513*												341028*					
		561939 555536		561938 555537			551143			561938 555537		551143		561940 551374		563769		563671	555535
CD72		555918																	
CD73 (Ecto-5'-nucleotidase)		561254		561014 550257	562817			561260	561258	561014 550257	562817		561258	560847					
CD74		555540																	
CD75		555654																	
CD77		551353			563631						563631				563632				
CD79a (I α , mb-1)				340579* 555935 561942				341643*		340579* 555935 561942				340578* 551134					
CD79b (I β)				561943 555679		551063				561943 555679		551063		550955					
		335798*		335799* 557931						335799* 557931				335800*					
CD80 (B7-1)		555683																	555682
		560926 557226		560925 557227			559370		561135	560925 557227		559370	561135			561133		561134	557225

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 μ g).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)		Violet Laser (405 nm)							
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	1		2		3	4	5	6
Product Name	Clone	React	395 nm	737 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
CD81 (TAPA-1)	JS-81	Hu	+	+	+	+	+	-	-	+	+	+											
CD83	HB15e	Hu [†]	-	+	+	-	-	-	-	-	-	-			562630			563223					
CD85j	GHI/75	Hu	+	+	+	+	+	-	-	-	-	-											
CD85k (ILT3)	ZM3.8	Hu			+	+																	
CD86 (B70/B7-2)	IT2.2	Hu	+	+	+	-	+	-	-	-	+	-											
	2331 (FUN-1)	Hu [†]	+	+	+	-	+	-	-	-	+	-			562433 562432	560359 560357		563460 563461	562999	563411 563412	563158		
CD87	VIM5	Hu	+	-		+	+	+	-	-	+	-											
CD88 (C5a receptor)	C85-4124	Hu	-	-	+	-	+	+	-	-	+	+											
	D53-1473	Hu	-	-	+	-	+	+	-	-	+	+											
CD89	A59	Hu	-	-		-	+	+	-	-	-	-											
CD90 (Thy-1)	5E10	Hu [†]	-	-		-	-	-	-	-	+	-	563804		562556			563070	562686 562685				
CD91	A2MR-a2	Hu	-	-		-	+	-	-	-	-	+											
CDw93 (C1qRp)	R139	Hu	-	-	-	-	+	+	-	-	+	-											
CD94	HP-3D9	Hu	+	-		+	-	-	-	-	-	-											
CD95 (Fas/APO-1)	DX2	Hu [†]	+	+		+	+	+	-	-					562616	561632						563132	
CD96	6F9	Hu	+	-		+	-	-	-	-												563174	
CD97	VIM3b	Hu	+	+	+	+	+	+	-	-													
CD98	UM7F8	Hu	+	+		+	+	+	+	-	+	+											
CD99	TÜ12	Hu	+	+		+	+	-	+	+	+	+											
CD102 (ICAM-2)	CBR-1C2/2.1	Hu	+	+		+	-		-	+													

+ Positive[§] - Negative

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin
	1			2	3	4			5	1	2	3	4	1		2	3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD81 (TAPA-1)		561956 551108		561957 555676						561957 555676				561958 551112					
CD83		560929 556910		561959 550634 556855	562631	551058			561132	561959 550634 556855	562631	551058	561132	561960 551073					
CD85j		555942		551053		551054				551053		551054							
CD85k (ILT3)				564181						564181					564182				
CD86 (B70/B7-2)				555665		555666				555665		555666						555664	
		560958 555657		560957 555658	562390	555659		561129	561128	560957 555658	562390	555659	561128	555660		561124		555656	
CD87				555768						555768									
CD88 (C5a receptor)				552993						552993									
				550494						550494									
CD89				555686						555686									
CD90 (Thy-1)		561969 555595		561970 555596		561972 555597		561557	561558	561970 555596		561972 555597	561558	561971 559869				555594	
CD91		550496		550497						550497									
CDw93 (C1qRp)		551531																	
CD94		555888		555889				562361		555889				559876					
CD95 (Fas/APO-1)		561975 340479* 555673		561976 340480* 555674		561977 559773		561655	561633	561976 340480* 555674		561977 559773	561633	561978 340481* 558814				555672	
CD96				562379						562379									
CD97		555773		555774						555774									
CD98		556076		556077						556077									
CD99		561986 555688		555689						555689									
CD102 (ICAM-2)				558080						558080									

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* RUO (GMP) status reagents

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‡ Denotes that the product is a large size (250 or 500 tests)

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin	
	1			2	3		4			5	1	2	3	4	1		2	3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm		
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
CD103		561677 340945* 550259		340998* 550260						340998* 550260				563883						
CD104 (Integrin β ₄ chain)				555720						555720										
CD105		561443		560839				560819		560839					561439					
CD106 (VCAM-1)		551146		561679 555647		551148		563525		561679 555647		551148		551147						
CD107a (LAMP-1)		560949 555800		560948 555801		560947 555802			561348	560948 555801		560947 555802	561348	641581* 560664	562622	561340		561343	555799	
CD107b (LAMP-2)		560946 555804				562628					562628									
CD108				552830						552830										
CD109				556040						556040										
CD110				562159	562416					562159	562416			562199	562188					
CD112 (PRR2)				551057						551057										
CD114 (G-CSF receptor)				554538						554538										
CD116 (GM-CSF receptor α chain)				551373						551373										
		554532																		
CD117 (c-kit)				340529*				333944*	339195*	340529*			339195*	341096*						
				561682 555714	562407	559879		562094		561682 555714	562407	559879		561118 550412						
CD119 (IFN-γ receptor α chain)				558934						558934										
				558937						558937										
CD120b (TNF receptor type II)				552418						552418					562909			552477		
CD122 (IL-2 receptor β chain)				554522						554522										
				554525						554525								554524		
				340254*						340254*										

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	1			2	3	4			5	1	2	3	4	1		2	3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD123 (IL-3 receptor α chain)		561694 558663		561058 554529	562391			560904 558714	560826	561058 554529	562391		560826	560087					554528
				561050 555644 340545*				561009 551065		561050 555644 340545*		561009 551065			563599				555643
CD124 (IL-4 receptor α chain)				552178						552178									552120
CDw125 (IL-5 receptor α chain)				555902						555902									
CD126 (IL-6 receptor α chain)				561696 551850						561696 551850				562090					
CD127 (IL-7 receptor α subunit)		561697 560549		561028 557938	562397			560551	560822	561028 557938	562397		560822		560905 558598				558633
CD130 (gp130)				555757						555757									
CDw131				564190						564190					564191				
CD132 (Common γ chain)				561699 555898	563683					561699 555898	563683				563682				555897
				555900						555900									
CD134 (OX40)		555837		561700 555838	563662	551500		563659	563663	561700 555838	563662	551500	563663	563473					
				340420*						340420*									
CD135				558996						558996					563494				
CD137 (4-1BB)				561701 555956		551137				561701 555956		551137		561702 550890					552533
CD137 Ligand (4-1BB ligand)				559446						559446									
CD138 (Syndecan-1)				550805						550805									
		561703 347191* 552723		561704 347192* 552026					341087*	561704 347192* 552026				347193*	562097				
CD140a (PDGFRα)				556002				563575		556002					562798				
CD140b (PDGFRβ)				558821				562714		558821									

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BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)		Violet Laser (405 nm)							
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	1	2	3	4	5	6		
Product Name	Clone	React	395 nm	737 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
CD141 (Thrombomodulin)	1A4	Hu	-	-	-	+	+	+	-	+	+	-						563298				563155	
CD142	HTF-1	Hu	-	-	-	+	-	-	-	+	+												
CD144	55-7H1	Hu	-	-	-	-	-	-	-	+	-					561569							
CD146	P1H12	Hu	+	-	-	-	-	-	-	+						562136		563255					563186
CD147 (Neurothelin)	HIM6	Hu	+	+	-	+	+	+	+	+								562583		563249	563248		
CD150	A12	Hu	+	+	+	-	-	-	-	+									562875				
CD151 (PETA-3)	14A2.H1	Hu	-	-	-	-	-	+		+	+	+											
CD152 (CTLA-4)	BNI3	Hu	+	+	-	-	-	-															563931
CD154 (CD40L)	89-76	Hu	+	-	-	-	-			-	-												
	TRAP1	Hu	+	-	-	-	-			-	-												563886
CD157	SY/11B5	Hu			+		+	+			+	+											
CD158a	HP-3E4	Hu	+			+																	563183
CD158b	CH-L	Hu	+			+																	
CD160	BY55	Hu	+	-		+																	
CD161	DX12	Hu	+	-	-	+		-	-	-	-	-						562615		563212	563863	563864	563865
CD162 (PSGL-1)	KPL-1	Hu	+	+			+	+	-	-	-	+											
CD163	GHI/61	Hu	-	-	-		+	-	-	-	-	-						562643				563888	563889
CD164	N6B6	Hu	+	+			+	-		-	-	+	+										
CD166	3A6	Hu	+	+			+	-			+	+											562936
CD172a (SIRP α)	SE5A5	Hu			+		+																

+ Positive[§] - Negative

[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Clone

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin
	1			2	3	4			5	1	2	3	4	1		2	3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD141 (Thrombomodulin)				559781						559781									
CD142				561713 550312						561713 550312									
CD144		560874 560411		561714 560410				561566		561714 560410					561567				
CD146		560846		561013 550315				562134	562135	561013 550315			562135		563619				
CD147 (Neurothelin)		555962		562552	562553			562554		562552	562553				562551				
CD150				559592						559592									
CD151 (PETA-3)				556057						556057									
CD152 (CTLA-4)				560939 555853	562742	561717 555854				560939 555853	562742	561717 555854		560938 555855					555852
CD154 (CD40L)				340477*						340477*									
		561721 555699		555700	563589	561722 555701				555700	563589	561722 555701		560955 555702			563588		
CD157				564214						564214									
CD158a		340531* 556062		556063						556063									
CD158b		559784		561723 559785						561723 559785									
CD160			562351	562118						562118					562362				
CD161		340536* 556080		340530* 556081		551138				340530* 556081		551138		561729 550968	562669				
CD162 (PSGL-1)				556055						556055					562758				
CD163		563697		560933 556018	562670			563887		560933 556018	562670				562669				
CD164		551297		551298				561196		551298					561201				
CD166				560903 559263				562131		560903 559263									
CD172a (SIRPα)				563441						563441									

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)		Violet Laser (405 nm)						
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	1	2	3	4	5	6	
Product Name	Clone	React																				
			395 nm	737 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
CD172b (SIRPβ)	B4B6	Hu			+		+															
CD180 (RP105)	G28-8	Hu		+	+		+															
CD181 (CXCR1, IL-8RA, CD128a)	5A12	Hu	+				+	+														
CD182 (CXCR2, IL-8RB, CD128b)	6C6	Hu	+				+	+														
CD183 (CXCR3)	1C6/CXCR3	Hu	+			+		+				+			562558				564032		563156	
CD184 (CXCR4, Fusin)	12G5	Hu	+	+	+	-	+	-			+		563924		562448							
	1D9	Hu	+	+	+	-	+	-			+											
CD185 (CXCR5)	RF8B2	Hu	+	+	+	+	+	-						562747			563105					
CD191 (CCR1)	53504	Hu	+				+					+										
CD192 (CCR2)	48607	Hu	+	+			+	+			+											
CD193 (CCR3)	5E8	Hu	+		+			+				+			562570			563071	564188			
CD194 (CCR4)	1G1	Hu	+				+		+						562579	561123		563066	562906			
CD195 (CCR5)	2D7/CCR5	Hu	+	-		-	+	+	-	-	-				562576	562121			563379		563395	
	3A9	Hu	+	-		-	+	+	-	-	-											
CD196 (CCR6)	11A9	Hu [†]	+	+	+	-	-	-									563241		563922	563923	563704	
CD197 (CCR7)	150503	Hu	+	+	+								563977		562555	560864 560863					563921	
	3D12	Hu	+	+	+												563449	563711	563407	563712	563710	
CD199	112509	Hu	+																			
CD200 (OX2)	MRC OX-104	Hu	-	+	+	-	-	-	-	-	+		+			562126		563254	562853			

+ Positive[§] - Negative

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin	
	1			2	3		4			5	1	2	3	4	1		2	3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm		
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
CD172b (SIRPβ)				552602						552602										
CD180 (RP105)				551953						551953										
CD181 (CXCR1, IL-8RA, CD128a)		555939		555940		551081				555940		551081		551080						
CD182 (CXCR2, IL-8RB, CD128b)		551126		555933		551125				555933		551125		551127						
CD183 (CXCR3)			561730 558047	560928 557185	562451	561731 551128		560832	560831	560928 557185	562451	561731 551128	560831	561732 550967		561320				
CD184 (CXCR4, Fusin)				561733 555974		560937 555975			560669	561733 555974		560937 555975	560669	560936 555976					555973	
				551510						551510										
CD185 (CXCR5)			558112					562781											552118	
CD191 (CCR1)															557914					
CD192 (CCR2)															561744 558406					
CD193 (CCR3)				561746 558165	562571			564189		561746 558165	562571				561745 558208					
CD194 (CCR4)				561110 551120				560726	561034 557864	561110 551120			561034 557864		557863				551266	
CD195 (CCR5)		561747 555992		560935 555993	562456	561750 556889			561749 557752	560935 555993	562456	561750 556889	561749 557752	561748 556903			560913 557755			
				560935 556042				560635		560932 556042				550856						
CD196 (CCR6)				561019 559562				561752 560467	560620	561019 559562			560620	560619	561751 560466				559561	
CD197 (CCR7)		561271		560765				561144		560765					560816	561143				
		561675 560548		561008 552176					560922 557648	561008 552176			560922 557648		560921 557734				552174	
CD199			561608	561607						561607					557975					
CD200 (OX2)				561762 552475				562124	562125	561762 552475			562125							

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* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)		Violet Laser (405 nm)							
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	1	2	3	4	5	6		
Product Name	Clone	React																					
			395 nm	737 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
CD201 (EPCR)	RCR-252	Hu																					
CD203c	NP4D6	Hu																					
CD205 (DEC-205)	MG38	Hu	+	+	+		+																
	MMRI-7	Hu	+	+	+		+																
CD206 (Macrophage mannose receptor)	19.2	Hu			+		+																
CD208 (DC-LAMP)	I10-1112	Hu			+																		
CD209 (DC-SIGN)	DCN46	Hu			+		+																
CD210 (IL-10 receptor)	3F9	Hu	+	+	-	-	+	-															
CD212 (IL-12 receptor β_1 subunit)	2.4E6	Hu	+	+	-	+	-	-															
	2B6/12 β 2	Hu	+	+	-	+	-	-															
CD220 (Insulin receptor)	3B6/IR	Hu	+	+	+	+	+	+															
CD221 (IGF-I receptor α subunit)	1H7	Hu	+	+	+	+	+	+															
CD226 (DNAM-1)	DX11	Hu	+	+		+	+	-	+	-													
CD227 (MUC1)	HMPV	Hu	+	+	+		+																
CD235a (Glycophorin A)	GA-R2 (HIR2)	Hu	-	-	-	-	-	-															
CD238	BRIC 203	Hu																					
CD243 (P-glycoprotein)	15D3	Hu	-	-		-	-	-	-	-													
	17F9	Hu	-	-		-	-	-	-	-													
CD244 (2B4)	2-69	Hu	+	-	+	+	+	+															
CD252 (OX40 Ligand)	Ik-1	Hu		+	+																		
CD253 (TRAIL)	RIK-2	Hu	+	+			+																
CD261 (TRAIL-R1)	S35-934	Hu																					

+ Positive[§] - Negative

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin
	1			2	3	4			5	1	2	3	4	1		2	3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD201 (EPCR)			563623	557950						557950				563622					
CD203c				562972						562972				562973					
CD205 (DEC-205)				558069						558069									
															558156				
CD206 (Macrophage mannose receptor)		551135		555954	564063	551136				555954	564063	551136		561763 550889					
CD208 (DC-LAMP)				558126						558126				558168					
CD209 (DC-SIGN)		561764 551264		561765 551265				561766 558263		561765 551265				551545					
CD210 (IL-10 receptor)				556013						556013									
CD212 (IL-12 receptor β ₁ subunit)				556065						556065				558708					
				550723						550723									
CD220 (Insulin receptor)				559955						559955									
CD221 (IGF-I receptor α subunit)				560934 555999	562535					560934 555999	562535								
CD226 (DNAM-1)		559788		559789						559789									
CD227 (MUC1)		559774																	
CD235a (Glycophorin A)		561017 559943		561051 555570 340947*		561776 559944			563666	561051 555570 340947*		561776 559944	563666	561775 551336					
CD238				563122						563122									
CD243 (P-glycoprotein)				340555*						340555*									
		557002		557003						557003									
CD244 (2B4)		550815		550816						550816									
CD252 (OX40 Ligand)				558164						558164									
CD253 (TRAIL)				561784 550516						561784 550516				563642					550431
CD261 (TRAIL-R1)				564180						564180									

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BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)		Violet Laser (405 nm)								
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	1	2	3	4	5	6			
Product Name	Clone	React	395 nm	737 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786		
CD267 (TACI)	1A1-K21-M22	Hu	+	+	-		+	-																
CD268 (BAFF receptor)	11C1	Hu	+	+	-	-	+	+																
CD271 (NGF receptor)	C40-1457	Hu			+										562562	562123		563451						
CD272 (BTLA)	J168-540.90.22	Hu	+	+	+	-	+	-																
CD273 (B7-DC, PD-L2)	MIH18	Hu	+		+		+								563842					563844		563843		
CD274 (B7-H1, PD-L1)	MIH1	Hu	+	+	+	+	+	+							563738					563740		563739		
CD275 (B7-H2, ICOSL)	2D3/B7-H2	Hu	+	+	+	-	+	+																
CD278 (ICOS)	DX29	Hu	+												562901					563832	563833			
CD279 (PD-1)	EH12.1	Hu	+	+														563076	563245	564104	564017	563789		
	MIH4	Hu																						
CD282 (TLR2)	11G7	Hu					+	+																
CD294 (CRTH2)	BM16	Hu	+					+							562992	561661								
CD305 (LAIR-1)	DX26	Hu	+	+	+	+	+	+																
CD309 (VEGFR-2/KDR)	89106	Hu																						
CD314 (NKG2D)	1D11	Hu	+	+	-	+	+	+										563266		563408	563688			
CD321 (F11 receptor)	M.AB.F11	Hu	+	+		+	+	+	+	+	+	+												
CD324 (E-cadherin)	67A4	Hu																						
CD325	8C11	Hu																						
CD326 (EpCAM)	EBA-1	Hu																						
CD328 (Siglec-7)	F023-420	Hu	+	+	+	+	+	+																
CD329 (Siglec-9)	E10-286	Hu	-	+	-	+	+	+																
CD335 (NKp46)	9E2/NKp46	Hu				+									564065	562099		564064		563230	563043	563329		

+ Positive[§] - Negative

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin
	1			2	3	4			5	1	2	3	4	1		2	3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD267 (TACI)				558414						558414				562345					
CD268 (BAFF receptor)		558081		558097						558097									
CD271 (NGF receptor)				560927 557196	563452			560834	562122	560927 557196	563452		562122		560877 560326				557195
CD272 (BTLA)				558485						558485									
CD273 (B7-DC, PD-L2)				558066						558066				557926					
CD274 (B7-H1, PD-L1)		558065		561787 557924	563742				558017	561787 557924	563742		558017	563741					
CD275 (B7-H2, ICOSL)				552502						552502									
CD278 (ICOS)				557802				562833		557802					562834				
CD279 (PD-1)				560795				561273	561272	560795			561272		560838				
		561035 557860		560908 557946						560908 557946				558694					
CD282 (TLR2)			558318												558319				
CD294 (CRTH2)		561659		563665	563501			561660		563665	563501				561797 558042				
CD305 (LAIR-1)				550811						550811									
CD309 (VEGFR-2/KDR)				560872 560494						560872 560494					560871 560495				
CD314 (NKG2D)				561815 557940	562498			562364	562365	561815 557940	562498		562365	562064 558071					
CD321 (F11 receptor)				552556						552556									
CD324 (E-cadherin)			563570	562870	563572			563573		562870	563572				563571				
CD325			562119	561554				563435		561554					563434				
CD326 (EpCAM)		347197*		347198*				347199*		347198*				347200*					
CD328 (Siglec-7)				558372						558372									
CD329 (Siglec-9)		550906																	
CD335 (NKp46)				557991					562101	557991			562101	558051					

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BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

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Product Name	Clone	React											395 nm	737 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm
													BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
CD336 (NKp44)	P44-8.1	Hu				+																
CD337 (NKp30)	P30-15	Hu				+									563385				563384		563383	
CD338 (ABCG2)	5D3	Hu	-	+		-	+	-							562740							
CD340 (HER-2/neu)	Neu 24.7	Hu										+										
CD344	CH3A4A7	Hu											+									
A2B5	105/A2B5	Hu [†]											+									
Alkaline Phosphatase	B4-78	Hu											+			561502						
Annexin V	-	-														560506	561501					
ASGPR1	8D7	Hu											+									
B7-H4	MIH43	Hu	+	+	+		+	+							562786							
Blood Group A	NaM87-1F6	Hu										+										
C3a Receptor	hC3aRZ8	Hu	+		+		+	+														
β-Catenin	14	Hu [†]												+								
CCR10	1B5	Hu	+	+																		
Chondroitin Sulfate	9.2.27	Hu																				
Clec9A	3A4	Hu			+																	
Clec12A	50C1	Hu		+	+		+							+								
CLIP	CerCLIP	Hu		+	+		+															
Cutaneous Lymphocyte Antigen (CLA)	HECA-452	Hu [†]	+	+		+	+	+							563961				563960			
Disialoganglioside GD2	14.G2A	Hu												+				563440		563705		
Fc μ Receptor	HM14-1	Hu	+	+		+																
	HM7-10	Hu	+	+		+																
FMC7	FMC7	Hu		+																		644493*
fMLP receptor	5F1	Hu					+	+														

+ Positive[§] - Negative

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	1			2	3		4			5	1	2	3	4	1		2	3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm		
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
CD336 (NKp44)				558563						558563					558564					
CD337 (NKp30)				558407						558407					558408					
CD338 (ABCG2)				561180				561460		561180				561451						
CD340 (HER-2/neu)		340553*		340552*						340552*				340554*						
CD344				563660						563660										
A2B5														563776						
Alkaline Phosphatase			561495	561433				561508		561433				561500						
Annexin V		560931 566420 556419		560930 556422 556421				561431		560930 556422 556421				561012 550475 550474				556418 556417		
ASGPR1				563655						563655										
B7-H4				562507	562785					562507	562785			562787						
Blood Group A		550807																		
C3a Receptor				561178						561178				561497						
β-Catenin			562505																	
CCR10				563656						563656										
Chondroitin Sulfate			562413	562415						562415				562414						
Clec9A				563488						563488										
Clec12A		562569		562566						562566				562568						
CLIP		555981																		
Cutaneous Lymphocyte Antigen (CLA)		561987 555947		563962						563962				563533				559950		
Disialoganglioside GD2		563439		562100				563438		562100				562096						
Fc μ Receptor				563017						563017				563535				563018		
				563019						563019										
FMC7		340919*																		
fMLP receptor				556016						556016										

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)		Violet Laser (405 nm)						
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	1		2		3	4	5
Product Name	Clone	React	395 nm	737 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
GARP	7B11	Hu	+												563956							563958
Hematopoietic progenitor cell (HPC)	BB9	Hu																				
HLA-A,B,C	G46-2.6	Hu	+	+	+	+	+	+								561346						
	DX17	Hu	+	+	+	+	+	+														
HLA-A2	BB7.2	Hu	+	+	+	+	+	+								561344						
HLA-DM	MaPDM1	Hu			+		+															
HLA-DQ	SK10	Hu	+	+	+		+															
	TÜ169	Hu	+	+	+		+															
HLA-DR	TU36	Hu [†]	+	+	+		+															
	L243 (G46-6)	Hu	+	+	+		+					564040			562805 562804	642276* 561359	561225 561224	563083	562844 562845	564231	563696	564041
HLA-DR, DP, DQ	TÜ39	Hu	+	+	+		+															
Ig, κ light chain	TB28-2	Hu		+																		
	G20-193	Hu		+											562619	561327		563213	562851			
	Polyclonal	Hu		+																		
Ig, λ light chain	1-155-2	Hu		+																		
	JDC-12	Hu		+											562893	561379		563537	563292			
	Polyclonal	Hu		+																		
IgD	IA6-2	Hu		+								563813			561309	561490	563034	563313				
IgG	G18-145	Hu		+											562581	561299		563247	563246			

+ Positive[§] – Negative

[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin
	1			2	3	4			5	1	2	3	4	1		2	3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
GARP				562150	562503					562150	562503			562341					
Hematopoietic progenitor cell (HPC)				557928						557928				557929					
HLA-A,B,C		560965 555552		560964 555553		560966 555554			561349	560964 555553		560966 555554	561349	562006 555555					
			560169	560168						560168									
HLA-A2		561107 551285		558570				561350	561347	558570			561347	561341		561339		561342	
HLA-DM				555983						555983									
HLA-DQ		347453*																	
		555563																	
HLA-DR		555560		555561		551375				555561		551375		559868					
		560944 347363* 555811		560943 347367* 555812	562331 562304	562007 555813	347364* 339194* 560652	335795* 560651		560943 347367* 555812	562331 562304	562007 555813	335795* 560651	560896 340549* 559866		560743	335796*	641393* 561358	347361*
HLA-DR, DP, DQ		562008 555558													563591				
Ig, κ light chain		643773*		346601*						346601*				341088*					
		560950 555791		562052 555792	562620			561330	561328	562052 555792	562620		561328	561323		561319		561325	555790
		562023 348063*																	
Ig, λ light chain		346600*		642919*						642919*									
		562053 555796		562054 555797						555797					563463				555794
		348073*																	
IgD		555778		562024 555779	562540			561315	561314	562024 555779	562540		561314	561303		561302		561305	555777
IgG		560952 555786		560951 555787	562538	551497			561298	560951 555787	562538	551497	561298	562025 550931		561296		561297	555785

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

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BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Emission Max										UV Laser (355 nm)		Violet Laser (405 nm)							
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	1	2	3	4	5	6	
Product Name	Clone	React											395 nm	737 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm
													BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
IgM	G20-127	Hu		+									563903		562618	561286		563113	562977			
IL-21 receptor (CD360)	17A12	Hu	+	+	+	+	+	+							563728							
ILT7 (CD85g)	17G10.2	Hu				+									562578							
Integrin β ₇	FIB504	Hu	+		+	+																
Invariant NK T	6B11	Hu	+															563267			563268	
KIR-NKAT2	DX27	Hu	+			+																
LAP	TW4-2F8	Hu	+																			
Leukotriene B4 Receptor (hBLTR-1)	203/14F11	Hu	+	+	+	+	+	+														
Lgr5 (Central LRR)	4D11F8	Hu										+										
Lgr5 (N-terminal)	8F2	Hu										+			562925			563211				
Lineage Cocktail 1	-	Hu	+	+		+	+	+														
Lineage Cocktail 2	-	Hu	+	+		+	+	+														
Lineage Cocktail 3	-	Hu	+	+			+	+														
Lineage Cocktail 4	-	Hu	+	+		+	+	+			+											
MIC A/B	6D4	Hu										+										
β ₂ -microglobulin	TÜ99	Hu	+	+	+	+	+	+				+	+	+								
NKB1 (KIR)	DX9	Hu	+			+																
Notch1	MHN1-519	Hu	+	+	+	+	+					+										
Notch2	MHN2-25	Hu	+	+																		
Notch3	MHN3-21	Hu	+				+					+										
Notch4	MHN4-2	Hu					+					+										563905
PAC-1	PAC-1	Hu										+										
PI-16	WCHRI-1	Hu	+																			

+ Positive[§] – Negative

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Clone

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin
	1			2	3	4			5	1	2	3	4	1		2	3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
IgM		562029 555782		562030 555783	562539	562031 551079		561285		562030 555783	562539	562031 551079		561010 551062					555781
IL-21 receptor (CD360)				560264						560264				560331					
ILT7 (CD85g)				562320	562557					562320	562557			562355					
Integrin β ₇				555945		551059				555945		551059		551082					
Invariant NK T		558371		562051 552825						552825									
KIR-NKAT2		556070		556071						556071									
LAP				562260	562490			562544		562260	562490								
Leukotriene B4 Receptor (hBLTR-1)				552836						552836									552835
Lgr5 (Central LRR)															562912				562913
Lgr5 (N-terminal)					563470						563470				562903				562904
Lineage Cocktail 1		340546																	
Lineage Cocktail 2		643397																	
Lineage Cocktail 3		643510																	
Lineage Cocktail 4		562722																	
MIC A/B				558352						558352									
β ₂ -microglobulin		551338		551337						551337									
NKB1 (KIR)		340483* 555966		340484* 555967						340484* 555967									
Notch1				563421						563421									
Notch2				563519						563519									
Notch3				563593						563593									
Notch4				563269						563269					563904				
PAC-1		340507*																	
PI-16				563520						563520									

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin
	1			2	3	4			5	1	2	3	4	1		2	3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
SSEA-1 (CD15)		560127		560886 560142	562485			561560		560886 560142	562485				562277 560120				
SSEA-3		560881 560236		560879 560237	562486			561564		560879 560237	562486				561145				
SSEA-4		560126		560128	562487			561565		560128	562487				560796				
SSEA-5															563753				
Streptavidin	564453	554060		554061 349023*	562318 562284	554062	554064 340130*	551419	557598	554061 349023*	562318 562284	554062	557598	554067 349024*				554063	
TCR αβ		347773*																	
		561673 555547		561674 555548						561674 555548				563826					
TCR γδ		347903*		347907*						347907*									
		561995 559878		561994 555717	562511			564157		561994 555717	562511			561049 555718				555716	
TIM-1															563957				
TLT-2 (TREM2)				563661						563661									
TNFR Related Protein (Lymphotoxin β receptor; LTβR)				551503						551503									
TRA-1-60 Antigen		560876 560380		560884 560193				561573		560884 560193					560850				
TRA-1-81 Antigen		560883 560194		560885 560161				561575		560885 560161					560793				
TRA-1-85 Antigen				563021						563021									
Trop-2																			
TSLP-R				563149						563149				563153					
TWEAK				552831						552831									
				552890						552890									
Vβ8 (BV8)		555606		555607						555607									
Vγ9 TCR		555732		555733						555733									
Vδ2 TCR		562088 555738		555739						555739									

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BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Intracellular Cytokines and Chemokines			Emission Max										UV Laser (355 nm)		Violet Laser (405 nm)								
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1 395 nm	2 737 nm	1 421 nm	2 448 nm	3 500 nm	4 510 nm	5 602 nm	6 650 nm	7 711 nm	8 786 nm
Product Name	Clone	React											BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
CCL18/DC-CK1	AZN-CK18	Hu			+		+																
GM-CSF	BVD2-21C11	Hu	+				+								562930								
IFN-α2b	7N4-1	Hu			+											561382							
IFN-γ	25723.11	Hu	+				+																
	4S.B3	Hu†	+				+													563416		563731	
	B27	Hu	+				+					563563		562988	560372 560371	561980	563287	562974			564039		
IL-1α	364-3B3-14	Hu					+																
	AS5	Hu					+																
IL-1β	AS10	Hu		+	+		+																
IL-1ra	AS17	Hu					+	+															
IL-2	5344.111	Hu	+												562914	560867		563265	563947	563467	563946		
	MQ1-17H12	Hu†	+												564164			564167	564165	564166			
IL-3	BVD3-1F9	Hu	+				+																
IL-4	3010.211	Hu	+																				
	MP4-25D2	Hu	+												564110							564112	564113
	8D4-8	Hu†	+												562986	561595							
IL-5	JES1-39D10	Hu	+																				
	TRFK5	Hu†	+																				

+ Positive[§] – Negative

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Clone

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Intracellular Cytokines and Chemokines	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin	
	1			2	3		4			5	1	2	3	4	1		2	3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm		
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
CCL18/DC-CK1				561179						561179										
GM-CSF				554507	562857			562258		554507	562857				562257				554505	
IFN-α2b				560097						560097					560088					
IFN-γ		340449*		340452*						340452*				341117*						
		561057 554551		561056 554552 559326					561036 557844	561056 554552 559326			561036 557844		563495				554550	
		561065 554700	557718	562016 554701 559327	562392			560704	560924 557643	562016 554701 559327	562392		560924 557643	562017 554702	557729	561024 557995				
IL-1α				554561						554561										
		340513*		340514*						340514*										
IL-1β		340515*		340516*						340516*										
IL-1ra				340525*						340525*										
IL-2		340448*		340450*	562384					340450*	562384			341116*						
		561055 554565		560902 554566 559334				560708	560707	560902 554566 559334			560707	561054 554567						
IL-3				554676						554676									554674	
IL-4				340451*						340451*										
		562047 554484		554485						554485				554486					554483	
			557990	562046 554516 559333				561234	560672	562046 554516 559333			560672	560671						
IL-5				554489 559332						554489 559332										
				562049 554395						562049 554395				562048 554396						

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BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Intracellular Cytokines and Chemokines			Emission Max											UV Laser (355 nm)		Violet Laser (405 nm)						
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1 395 nm	2 737 nm	1 421 nm	2 448 nm	3 500 nm	4 510 nm	5 602 nm	6 650 nm	7 711 nm
Product Name	Clone	React											BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
IL-6	AS12	Hu	+		+		+															
	MQ2-13A5	Hu	+		+		+								563279	561446						
	MQ2-6A3	Hu	+		+		+															
IL-8	AS14	Hu			+		+	+			+											
	G265-8	Hu			+		+	+			+				563310			563311				
IL-9	MH9A3	Hu	+																			
IL-10	JES3-19F1	Hu [†]	+	+			+															
	JES3-9D7	Hu [†]	+	+			+								564053				564052	564051	564050	564049
IL-12 (p40/p70)	C11.5	Hu			+		+									561380						
IL-12 (p70)	20C2	Hu			+		+															
IL-13	JES10-5A2	Hu	+												563580	561158						
IL-17A	N49-653	Hu	+												562933	560610		563295		563746		563745
	SCPL1362	Hu	+																			
IL-17F	O33-782	Hu	+													561338 561337						
IL-21	3A3-N2.1	Hu	+																			
IP-10	6D4/D6/G2	Hu	+				+				+											

+ Positive[§] – Negative

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Intracellular Cytokines and Chemokines	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin
	1			2	3	4			5	1	2	3	4	1		2	3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
IL-6		340526*		340527*						340527*									
		554544		554545	563543					554545	563543			561441					
		554696		554697 559331						554697 559331									
IL-8		340509*		340510*						340510*									
				554720	563531					554720	563531								554718
IL-9				560814 560807				561461		560814 560807						560815 560813			
IL-10				562035 554706 559330	562400					562035 554706 559330	562400			562036 554707					
				554498 559337						554498 559337									
IL-12 (p40/p70)		554574		554575 559329						554575 559329				554576					
IL-12 (p70)				557020 559325						557020 559325									
IL-13				562039 340508* 554571 559328						562039 340508* 554571 559328				561162					
IL-17A			560489 560488	560487 560486				560799		560487 560486					560491 560490	560613			
				560438 560436						560438 560436					560439 560437				
IL-17F			561332 561331	561198 561197				561336 561335		561198 561197					561334 561333				
IL-21				562042 560463						562042 560463					562043 560493				
IP-10				555049						555049									555048

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Intracellular Cytokines and Chemokines			Emission Max										UV Laser (355 nm)		Violet Laser (405 nm)							
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1 395 nm	2 737 nm	1 421 nm 448 nm		2 500 nm 510 nm		3 602 nm	4 650 nm	5 711 nm
Product Name	Clone	React											BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
IRAK4	L29-525	Hu	+	+	+	+	+	+														
Leukemia Inhibitory Factor (LIF, HILDA)	1F10	Hu	+				+	+														
LT- α	359-81-11	Hu	+	+																		
MCP-1 (monocyte chemoattractant protein 1)	5D3-F7	Hu	+				+															
MIP-1 α (macrophage inflammatory protein-1 α)	11A3	Hu	+	+			+	+														
MIP-1 β	D21-1351	Hu	+	+			+	+							562900	561282						
Osteocalcin	R14-707	Hu																				
RANTES	2D5	Hu	+				+			+												
TGF β 1	TW4-9E7	Hu	+				+			+					562962							
TNF	MAB11	Hu [†]	+	+	+	+	+	+					563996		562783	561311			563915	563418		
TNF- α	6401.111	Hu	+	+	+	+	+	+														
VHL	S2-647	Hu																				

Clone

Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

+ Positive[§] – Negative

[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Intracellular Cytokines and Chemokines	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin
	1			2	3	4			5	1	2	3	4	1		2	3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
IRAK4				560303						560303					560315				
Leukemia Inhibitory Factor (LIF, HILDA)				558571						558571									
LT- α				554556						554556								554555	
MCP-1 (monocyte chemoattractant protein 1)				554666 559324						554666 559324					563496				
MIP-1 α (macrophage inflammatory protein-1 α)				554730						554730									
MIP-1 β		560565		561120 550078				560688	560687	561120 550078			560687	560686		561278		561280	
Osteocalcin				564146						564146									
RANTES				554732 559322						554732 559322									
TGF β 1			562545	562339	562422				562423	562339	562422								
TNF		562082 554512	557722	562083 554513 559321	562784				560679	560923 557647	562083 554513 559321	562784		560923 557647	562084 554514 551384		561023 557996		554511
TNF- α		340511*		340512*						340512*				340534*					
VHL															564184				

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 μ g).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Intracellular Cell-Signaling and Transcription Factors			Emission Max										UV Laser (355 nm)		Violet Laser (405 nm)								
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1 395 nm	2 737 nm	1 421 nm	2 448 nm	3 500 nm	4 510 nm	5 602 nm	6 650 nm	7 711 nm	8 786 nm
Product Name	Clone	React											BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
CD3ε	APA1/1	Hu	+																				
CD20 (cytoplasmic)	H1	Hu	+	+	-	-	-	-	-	-	-	-							563347				
CD79a	HM57	Hu		+																			
CD140b (pY857) (PDGFRβ)	J24-618	Hu†	-	-		-	-	-	-	-	+												
CD140b (pY1009) (PDGFRβ)	J25-650	Hu†	-	-		-	-	-	-	-	+												
CD140b (pY1021) (PDGFRβ)	J105-412	Hu†	-	-		-	-	-	-	-	+												
CD221 (pY1131) (IGF-1 receptor)	K74-218	Hu	+	+	+	+	+	+				+	+	+									
CD247 (pY142) (CD3ζ)	K25-407.69	Hu	+			+																	
4EBP1 (pT36/pT45)	M31-16	Hu	+	+			+																
4EBP1 (pT69)	M34-273	Hu	+	+			+																
α-fetoprotein (AFP)	C3/AFP	Hu																				+	
Akt (pS473)	M89-61	Hu†	+	+		+	+	+				+	+	+								562599	560858
AKT (pT308)	J1-223.371	Hu†	+	+		+	+	+				+	+	+									
Akt1 (PKBα, RAC-PK)	55	Hu	+	+		+	+	+				+	+	+									
Bcl-2	6C8	Hu	+																				+
	Bcl-2/100	Hu	+																				+
Bcl-2 (pS70)	N46-467	Hu	+																				
Bcl-6	K112-91	Hu†	+	+																		563363	562204
Bcl-10	151	Hu	+	+																			
BLNK (pY84)	J117-1278	Hu†		+																			
BLNK (SLP-65, BASH, BCA)	2B11	Hu†		+																			
BMI-1	P51-311	Hu																					+

+ Positive[§] - Negative

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Intracellular Cell-Signaling and Transcription Factors	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin
	1		2	3	4			5	1	2	3	4	1		2	3			
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD3ε		558261		558260						558260				558257					
CD20 (cytoplasmic)			558056	561174	563430			560907 558021	561175	561174	563430		561175		558054	561171		561172	
CD79a				563777						563777									
CD140b (pY857) (PDGFRβ)			558427	558429						558429					558428				
CD140b (pY1009) (PDGFRβ)				558322						558322					558323				
CD140b (pY1021) (PDGFRβ)			558419	558417						558417					558418				
CD221 (pY1131) (IGF-1 receptor)															558588				
CD247 (pY142) (CD3ζ)			558486	558448						558448					558489				
4EBP1 (pT36/pT45)			560287	560285						560285					560286				
4EBP1 (pT69)			560290	560288						560288					560289				
α-fetoprotein (AFP)			563016	563002						563002									
Akt (pS473)			560404	560378 561671†	562465					560378 561671†	562465				560343 561670‡				
AKT (pT308)				558275						558275									
Akt1 (PKBα, RAC-PK)			560048	560049						560049					560050				
Bcl-2		554234		556536						556536									
		340575* 556357		340576* 556535	563601					340576* 556535	563601				563600				
Bcl-2 (pS70)			562678	562532	562679					562532	562679				562531				
Bcl-6			561524	561522	562401			562198	563582	561522	562401		563582		561525		563581		
Bcl-10		552881		552881															
BLNK (pY84)			558444	558442						558442					558443				
BLNK (SLP-65, BASH, BCA)			558693	558688						558688					558692				
BMI-1			562636	562528				562650		562528					562637				

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* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Intracellular Cell-Signaling and Transcription Factors			Emission Max										UV Laser (355 nm)		Violet Laser (405 nm)							
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1 395 nm	2 737 nm	1 421 nm	2 448 nm	3 500 nm	4 510 nm	5 602 nm	6 650 nm	7 711 nm
Product Name	Clone	React											BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
BrdU	3D4	Hu														560810		563445				
	B44	Hu																				
BrdU with DNase	B44	Hu																				
Btk	53/Btk	Hu		+																		
Btk (pY223) & Itk (pY180)	N35-86	Hu ^t	+	+																		
Btk (pY551) & Itk (pY511)	24a/BTK (Y551)	Hu	+	+																		
E-Cadherin	36/E-Cadherin	Hu ^t										+	+									
Caspase-3, Active Form (CPP32)	C92-605	Hu ^t														560627						
β-Catenin (pS45)	K63-363	Hu																				+
c-Cbl (pY700)	47/c-Cbl	Hu ^t	+																			
c-Cbl (pY774)	29/c-Cbl	Hu	+																			
CDX-2	M39-711	Hu																				+
CREB (pS133) / ATF-1 (pS63)	J151-21	Hu	+	+																		
CrkL (pY207)	K30-391.50.80	Hu																				
Cyclin A	BF683	Hu	+	+	+	+	+	+	+	+	+	+										
Cyclin B1 (a.a 1-21)	GNS-1	Hu ^t																				+
Cyclin D1	G124-326	Hu																				+
Cyclin D3	G107-565	Hu																				
Cytokeratin	CAM 5.2	Hu																				563613
	KA4	Hu																				
Cytokeratin 14, 15, 16, and 19	KA4	Hu																				+
DCIR (dendritic cell immunoreceptor)	I3-612	Hu		+	+		+															
Doublecortin	30	Hu																				+

+ Positive[§] – Negative

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Clone

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Intracellular Cell-Signaling and Transcription Factors	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin	
	1			2	3		4			5	1	2	3	4	1		2	3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm		
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
BrdU		556028		556029			560808	560809		556029										
		347583*																		
BrdU with DNase		340649*																		
Btk				558527						558527					558528					
Btk (pY223) & Itk (pY180)				562753																
Btk (pY551) & Itk (pY511)			558130	558129						558129					558134					
E-Cadherin				562526						562526										
Caspase-3, Active Form (CPP32)		560901 559341		561011 550821						561011 550821					560626				550557	
β-Catenin (pS45)				558638						558638					558666					
c-Cbl (pY700)			558101	558087						558087					558100					
c-Cbl (pY774)				558102						558102					558103					
CDX-2				563428						563428					560395 560258					
CREB (pS133) / ATF-1 (pS63)			558435	558436						558436					558434					
CrkL (pY207)			560789	560788						560788					560790					
Cyclin A		554107		550913						550913										
Cyclin B1 (a.a 1-21)		554108		550783						550783										
Cyclin D1		554109																		
Cyclin D3		554111																		
Cytokeratin		347653*		347204*	563615					347204*	563615				563614					
															563648					
Cytokeratin 14, 15, 16, and 19				550953						550953										
DCIR (dendritic cell immunoreceptor)															558220					
Doublecortin				561505						561505										

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BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Intracellular Cell-Signaling and Transcription Factors			Emission Max										UV Laser (355 nm)		Violet Laser (405 nm)							
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1 395 nm	2 737 nm	1 421 nm	2 448 nm	3 500 nm	4 510 nm	5 602 nm	6 650 nm	7 711 nm
Product Name	Clone	React											BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
E2A (E47)	G127-32	Hu		+																		
EGF Receptor	EGFR1	Hu										+			563343			563344				
EGF Receptor (pY845)	12A3	Hu																				
EGF Receptor (pY1173)	9H2	Hu																				
eIF4E (pS209)	J77-925	Hu	+																			
ELK-1 (pS383)	M21-1721	Hu	+																			
eNOS	33/eNOS	Hu [†]									+											
ERK1/2 (pT202/pY204)	20A	Hu [†]	+	+		+	+	+							562981							
ERK2	G263-7	Hu [†]	+	+		+	+	+														
EZH2	11	Hu	+	+								+	+		562963							
Ezrin (pY353)	I66-386	Hu	+	+																		
FAK (pS910)	K73-480	Hu										+										
Fetal Hemoglobin	2D12	Hu									+											
Fibronectin	10/Fibronectin	Hu [†]										+										
FoxA2	N17-280	Hu										+										
FoxP3 (Scurfin, IPEX, JM2)	236A/E7	Hu	+												561182							
	259D/C7	Hu [†]	+												560460 560459							
Galectin-3	B2C10	Hu					+					+										
GATA3	L50-823	Hu	+			+						+			563349							
GATA4	L97-56	Hu [†]										+										
GFAP	1B4	Hu										+										
Granulysin	RB1	Hu	+			+																
Granzyme A	CB9	Hu																				
Granzyme B	GB11	Hu	+			+									563389	561151		563388				

+ Positive[§] – Negative

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Intracellular Cell-Signaling and Transcription Factors	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin	
	1			2	3		4			5	1	2	3	4	1		2	3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm		
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
E2A (E47)		552510																		
EGF Receptor				555997	563431					555997	563431				563577					
EGF Receptor (pY845)															558523					
EGF Receptor (pY1173)															558524					
eIF4E (pS209)				560229						560229					560240					
ELK-1 (pS383)			560417	560412						560412					560413					
eNOS				560103						560103					560102					
ERK1/2 (pT202/pY204)			612592	612566 561991†	562644			560115	560116	612566 561991†	562644		560116		612593 561992†					
ERK2			558525	558530						558530					558526					
EZH2				562478						562478					563491					
Ezrin (pY353)			558627	558601						558601					558628					
FAK (pS910)			558544	558540						558540					558545					
Fetal Hemoglobin		552829		560041						560041										
Fibronectin			563100												563098					
FoxA2				561589						561589										
FoxP3 (Scurfin, IPEX, JM2)			561181	560852	563955			561493		560852					561184					
			560887 560047	560082 560046	562421					560082 560046	562421				560889 560045					
Galectin-3		556908		556909						556909										
GATA3			560163	560074	563510				560405	560074	563510		560405		560068					
GATA4			560330	560328						560328					560400					
GFAP			561449	561483						561483					561470					
Granulysin			558254																	
Granzyme A		558905		558904						558904										
Granzyme B		561998 560211		561142	562462					561142	562462				561999 560212	561016 560213				

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BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Intracellular Cell-Signaling and Transcription Factors			Emission Max											UV Laser (355 nm)		Violet Laser (405 nm)						
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	1	2	3	4	5	6	
Product Name	Clone	React	395 nm	737 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
H2AX (pS140)	N1-431	Hu	+	+																		
Helios	22F6	Hu [†]	+																			
Histone H3 (pS28)	HTA28	Hu [†]	+	+												560606						
IκBα	25/IκBa/MAD-3	Hu	+	+	+		+															
Ikkγ (pS376)	N19-39	Hu	+																			
IRF-7	K40-321	Hu																				
IRF-7 (pS477/pS479)	K47-671	Hu																				
IRS-1 (pY896)	K9-211	Hu																				
Islet-1 (ISL-1)	Q11-465	Hu																				
JNK (pT183/pY185)	N9-66	Hu [†]	+	+			+	+														
Ki-67	B56	Hu [†]	+	+	+		+	+	+				564071		562899	561281		563462		563757	563755	563756
LAT (pY171)	I58-1169	Hu	+																			
LAT (pY226)	J96-1238.58.93	Hu	+																			
Lck	MOL 171	Hu [†]	+	+			+															
Lck (pY505)	4/Lck-Y505	Hu	+																			
Lin-28	6D1F9	Hu																				
MAP2B	18/MAP2B	Hu																				
MAPKAPK-2 (pT334)	P24-694	Hu [†]	+																			
Mcm6	Ki-Mcm6	Hu	+	+																		
MEK1	25/MEK1	Hu [†]	+	+	+		+	+	+													
MEK1 (pS298)	J114-64	Hu	+					+														
MEK2	96/MEK2	Hu	+	+	+		+	+	+													
MRP-1	QCRL-3	Hu	+	+						+	+											
MS11	N14-47	Hu																				
mTor (pS2448)	O21-404	Hu	+	+	+		+	+														
Myeloperoxidase (MPO)	5B8	Hu						+	+													

+ Positive[§] – Negative

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Intracellular Cell-Signaling and Transcription Factors	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin
	1		2	3	4			5	1	2	3	4	1		2	3			
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	Biotin
H2AX (pS140)			560445	562377						562377					560447				
Helios			563950	563801						563801					563951				
Histone H3 (pS28)															558217				
IκBα				560818						560818					560817				
Ikkγ (pS376)				562590						562590									
IRF-7			558707	558706						558706									
IRF-7 (pS477/pS479)			558629	558621						558621					558630				
IRS-1 (pY896)				558440						558440					558441				
Isl1-1 (ISL-1)				562547						562547									
JNK (pT183/pY185)				562480						562480					562481				
Ki-67		556026	561165	556027				561284	561283	556027			561283		561126	561277			
LAT (pY171)			558519	558487						558487					558518				
LAT (pY226)			558430	558433						558433					558432				
Lck			558504	558496						558496					558505				
Lck (pY505)			557879	558552						558552					558577				
Lin-28			563597	563398						563398									
MAP2B			560399												560382				
MAPKAPK-2 (pT334)			562471	562470						562470					562472				
Mcm6		557951																	
MEK1				560099						560099					560101				
MEK1 (pS298)			560192	560042						560042					560043				
MEK2				560388						560388					560387				
MRP-1		557593																	
MS11				561468						561468									
mTor (pS2448)				563489						563489									
Myeloperoxidase (MPO)		340580*		341642*						341642*									

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Intracellular Cell-Signaling and Transcription Factors			Emission Max										UV Laser (355 nm)		Violet Laser (405 nm)							
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1 395 nm	2 737 nm	1 421 nm	2 448 nm	3 500 nm	4 510 nm	5 602 nm	6 650 nm	7 711 nm
Product Name	Clone	React											BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
Myogenin	F5D	Hu ^t																				
Nanog	N31-355	Hu																				
Nestin	25/NESTIN	Hu ^t																				
NeuroD1	R8-294	Hu ^t																				
NF-κB p65 (pS529)	K10-895.12.50	Hu	+	+		+	+															
Nkx-6.1	R11-560	Hu ^t																				
NPM-ALK	ALK1	Hu																				
Nucleostemin	P22-1125	Hu ^t																				
Oct-2	9A2	Hu ^t	+	+	+		+								563196							
Oct3/4	40/Oct-3	Hu ^t																563524				
Oct3/4A	O50-808	Hu																				
p16 ^{INK4} mAb / Isotype Reagent Set	G175-1239	Hu																				
p38 MAPK (pT180/pY182)	36/p38 (pT180/pY182)	Hu ^t	+	+		+	+	+														
p53	DO-7	Hu ^t																				
	G59-12	Hu ^t	+	+																		
p53 (acK382)	L82-51	Hu	+	+																		
p53 (pS37)	J159-641.79	Hu	+	+																		
p120 Catenin (pS268)	9a.390	Hu																				
p120 Catenin (pS288)	17/Catenin (cl.17)	Hu																				
p120 Catenin (pS879)	K114-1011	Hu																				
p120 Catenin (pT310)	22/p120 (pT310)	Hu																				
p120 Catenin (pT916)	1/Catenin	Hu																				
p130 ^{Cas} (pY249)	J169-757.12.2	Hu																				
PARP, Cleaved Form (Asp 214)	F21-852	Hu ^t																				

+ Positive[§] – Negative

[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

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Intracellular Cell-Signaling and Transcription Factors	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin
	1			2	3	4			5	1	2	3	4	1		2	3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
Myogenin				563120						563120									
Nanog			560791	560873 560483				562259		560873 560483					561300				
Nestin				561230				561231		561230					560393				
NeuroD1				563001						563001					563566				
NF-κB p65 (pS529)			558421	558423					560335	558423			560335		558422				
Nkx-6.1				563023						563023					563338				
NPM-ALK		559818		559257						559257									
Nucleostemin				562750															
Oct-2				562838	563471					562838	563471				563472				
Oct3/4			560253	560186				560794		560186					560329				
Oct3/4A			561628	561556				562251		561556					562252				
p16 ^{INK4} mAb / Isotype Reagent Set		556560		556561						556561									
p38 MAPK (pT180/pY182)			612594	612565 562065 [†]	563569			560406	560241	612565 562065 [†]	563569		560241		612595 562066 [‡]				
p53		554298		556534						556534									
		557026		557027						557027									
p53 (acK382)															560231				
p53 (pS37)			560282												560280				
p120 Catenin (pS268)			558558												558559				
p120 Catenin (pS288)			558562	558567						558567					558561				
p120 Catenin (pS879)				558634						558634									
p120 Catenin (pT310)			558667	558596						558596					558668				
p120 Catenin (pT916)			558669	558637						558637					558670				
p130 ^{Cas} (pY249)			558546	558538						558538					558547				
PARP, Cleaved Form (Asp 214)		558576		552933				562388		552933						560640			

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* RUO (GMP) status reagents

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BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Intracellular Cell-Signaling and Transcription Factors			Emission Max										UV Laser (355 nm)		Violet Laser (405 nm)							
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1 395 nm	2 737 nm	1 421 nm	2 448 nm	3 500 nm	4 510 nm	5 602 nm	6 650 nm	7 711 nm
Product Name	Clone	React											BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
Pax5	1H9	Hu [†]		+											563190			563191				
Pax-6	O18-1330	Hu																				
PCNA	PC10	Hu	+	+																		
PDPK1 (pS241) (PKD1, PKB kinase, pS241, pS241, PDK1 (pS241), PKB kinase (pS241))	J66-653.44.17	Hu	+																			
PDX-1	658A5	Hu [†]																				
Perforin	δG9	Hu	+			+									563393							
Phosphotyrosine	PY20	Hu [†]																				
PKA RIIα (pS99)	I65-856.286	Hu	+	+																		
PKA[RIIβ] (pS114)	47	Hu																				
PKCα	3/PKC	Hu	+	+																		
PKCα (pT497)	K14-984	Hu [†]	+	+																		
PKCα (pT638)	35/PKC	Hu	+																			
PKCθ	27	Hu	+																			
PLC-γ1	10/PLC-gamma	Hu	+																			
PLC-γ1 (pY783)	27/PLC	Hu	+																			
PLC-γ2	K86-1161	Hu [†]	+	+																		
PLC-γ2 (pY759)	K86-689.37	Hu	+	+																		
PLZF	R17-809	Hu	+																			
PLK1 (pT210)	K50-483	Hu	+																			
PTEN (MMAC1, TEP1)	A2B1	Hu	+						+													
Pyk2 (pY402)	L68-1256.272	Hu	+																			
Rb (a.a. 332-344)	G3-245	Hu [†]	+	+	+	+	+	+														
Rb (pS780)	J146-35	Hu	+	+																		
Rb (pS807/pS811)	J112-906	Hu	+	+																		

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Intracellular Cell-Signaling and Transcription Factors	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin
	1		2	3	4			5	1	2	3	4	1		2	3			
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	Biotin
Pax5			562816	562688	562815						562815				562814				
Pax-6			561664	561552						561552									
PCNA		556030		556031						556031									555567
PDPK1 (pS241) (PDK1, PKB kinase, pS241, pS241, PDK1 (pS241), PKB kinase (pS241))			560090	560092						560092					560091				
PDX-1			562274	562161				563436		562161					562265				
Perforin		556577	563764	556437	563763			563762		556437	563763				563576				
Phosphotyrosine				558008						558008									
PKA RIIα (pS99)				560165						560165					560164				
PKA[RIIβ] (pS114)			560204												560205				
PKCα			560242												560243				
PKCα (pT497)			560139	560141						560141					560140				
PKCα (pT638)				560267						560267					560266				
PKCθ				560216						560216				560344					
PLC-γ1			558566	558575						558575					558565				
PLC-γ1 (pY783)			557884												557883				
PLC-γ2			560135	560134						560134					560136				
PLC-γ2 (pY759)			558507	558490						558490					558498				
PLZF															563490				
PLK1 (pT210)			558446	558445						558445					558447				
PTEN (MMAC1, TEP1)				560002						560002					560003				
Pyk2 (pY402)				560255						560255					560256				
Rb (a.a. 332-344)		556538																	
Rb (pS780)			558554	558548						558548					558555				
Rb (pS807/pS811)			558589	558549						558549					558590				

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‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Intracellular Cell-Signaling and Transcription Factors			Emission Max										UV Laser (355 nm)		Violet Laser (405 nm)							
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1 395 nm	2 737 nm	1 421 nm	2 448 nm	3 500 nm	4 510 nm	5 602 nm	6 650 nm	7 711 nm
Product Name	Clone	React											BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
Rb, underphosphorylated (a.a. 514-610)	G99-549	Hu [†]	+	+	+	+	+	+			+	+										
Ronin/THAP11	P56-507	Hu [†]										+										
ROR γ t	Q21-559	Hu	+												563282						563424	
S6 (pS235/pS236)	N7-548	Hu	+	+		+										561457						
S6 (pS240)	N4-41	Hu	+	+																		
S6 (pS244)	N5-676	Hu	+	+																		
SATB1	14/SATB1	Hu	+																			
SHP2 (pY542)	L99-921	Hu	+	+																		
SLP-76	H3	Hu	+																			
SLP-76 (pY128)	J141-668.36.58	Hu	+																			
Smad1 (pS463/pS465)/ Smad8 (pS465/pS467)	N6-1233	Hu	+	+																		
Smad2 (pS465/pS467)/ Smad3 (pS423/pS425)	O72-670	Hu [†]	+	+								+										
Sox1	N23-844	Hu										+										
Sox2	245610	Hu										+										
	O30-678	Hu										+				561610						
Sox17	P7-969	Hu										+										
Src (pY418)	K98-37	Hu	+																			
Stat1 (N-terminus)	1/Stat1	Hu	+	+		+	+	+														
Stat1 (pS727)	K51-856	Hu	+	+		+	+															
Stat1 (pY701)	4a	Hu [†]	+	+		+	+	+							562985							
Stat3	M59-50	Hu	+	+		+	+	+														
Stat3 (pS727)	49/p-Stat3	Hu [†]	+	+		+	+															

+ Positive[§] – Negative

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Intracellular Cell-Signaling and Transcription Factors	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin
	1		2	3	4			5	1	2	3	4	1		2	3			
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	Biotin
Rb, underphosphorylated (a.a. 514-610)		550501		550502						550502									
Ronin/THAP11				562549						562549									
RORγt			563621	563081						563081					563620				
S6 (pS235/pS236)			560434	560433						560433					560435				
S6 (pS240)			560431	560430						560430					560432				
S6 (pS244)				560462						560462					560465				
SATB1															562378				
SHP2 (pY542)										560389					560390				
SLP-76			560056	560058						560058					560057				
SLP-76 (pY128)			558439	558437						558437					558438				
Smad1 (pS463/pS465)/ Smad8 (pS465/pS467)				562509	563617					562509	563617								
Smad2 (pS465/pS467)/ Smad3 (pS423/pS425)				562586	562697					562586	562697				562696				
Sox1				561592				561549		561592									
Sox2			560301 560292	560291						560291					560302				
				562195				561506		562195					562139				
Sox17			562205	561591				562387		561591					562594				
Src (pY418)			560095	560094						560094					560096				
Stat1 (N-terminus)				558537						558537					558560				
Stat1 (pS727)			560191	560069						560069					560190				
Stat1 (pY701)			612596	612564 562069 [†]	562674			560113		612564 562069 [†]	562674				612597 562070 [‡]				
Stat3				560391						560391				560392					
Stat3 (pS727)			558085	558557						558557					558099				

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[†] Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

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BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Intracellular Cell-Signaling and Transcription Factors			Emission Max											UV Laser (355 nm)		Violet Laser (405 nm)							
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	1	2	3	4	5	6		
Product Name	Clone	React	395 nm	737 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
Stat3 (pY705)	4/P-STAT3	Hu [†]	+	+		+	+	+															
Stat4 (pY693)	38/p-Stat4	Hu	+			+																	
Stat5 (pY694)	47	Hu	+	+		+	+	+							562984								
Stat6	23/Stat6	Hu	+	+		+	+																
Stat6 (pY641)	18	Hu	+	+		+	+									561203							
Syk	4D10	Hu		+																			
Syk (pY348)	I120-722	Hu [†]		+																			
T-Bet	O4-46	Hu [†]	+			+	+								563318	561312						563320	
	4B10	Hu [†]	+			+	+																
TBK1 (pS172) (T2K, NAK)	J133-587	Hu																					
TBK1 (T2K, NAK)	637Ig11.2	Hu																					
Terminal Transferase (TdT)	E17-1519	Hu	+	+																			
THEMIS	Q13-1103	Hu	+												563721								
TIE2 (pY992) (TEK, VMCM, CD202b)	K91-860	Hu																					
TIE2 (pY1102) (TEK, VMCM, CD202b)	K93-754	Hu																					
TLR9	eB72-1665	Hu		+	+																		
β-Tubulin, Class III	TUJ1	Hu																					
Vimentin	RV202	Hu																					
WIP (pS488)	K32-824	Hu	+																				
XBP-1S	Q3-695	Hu [†]		+											563382								
ZAP-70	1E7.2	Hu	+																				
Zap70 (pY292)	J34-602	Hu	+																				
Zap-70 (pY319)/Syk (pY352)	17a/P-ZAP70	Hu [†]	+	+																			

+ Positive[§] – Negative

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Intracellular Cell-Signaling and Transcription Factors	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin
	1		2	3	4			5	1	2	3	4	1		2	3			
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	Biotin
Stat3 (pY705)			557814	612569 562072 [†]	562673			560114		612569 562072 [†]	562673								
Stat4 (pY693)			558136	558249 562073 [†]				561217		558249 562073 [†]									
Stat5 (pY694)			612598 562075 [†]	612567 562077 [†]	562501			560118	560117	612567 562077 [†]	562501		560117						
Stat6				560001						560001									
Stat6 (pY641)			612600	612701 562078 [†]				561195		612701 562078 [†]									
Syk		552476																	
Syk (pY348)			560081	558529						558529									
T-Bet			561266	561268	562467			561316		561268	562467								
				561265						561265									
TBK1 (pS172) (T2K, NAK)			558602	558604						558604									
TBK1 (T2K, NAK)			558697	558696						558696									
Terminal Transferase (TdT)		347194* 550756		347195* 550757						347195* 550757				347196*					
THEMIS				562588						562588									
TIE2 (pY992) (TEK, VMCM, CD202b)																			
TIE2 (pY1102) (TEK, VMCM, CD202b)			560053	560052						560052									
TLR9				560425															
β-Tubulin, Class III			560381																
Vimentin			562338	562237						562237									
WIP (pS488)				558673						558673									
XBP-1S				562642	562820					562642	562820								
ZAP-70		344931*		344635*						344635*									
Zap70 (pY292)			558516	558510						558510									
Zap-70 (pY319)/Syk (pY352)			557818	557881				561459	561458	557881			561458						

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)



Synanceia verrucosa, or reef stonefish, camouflages itself superbly well, even encouraging plant growth on its back. Look closely though, because it contains one of the world's most powerful venoms. It is part of the *Scorpaeniformes* order which includes scorpionfish, lionfish, stingfish, and devilfish, and is found in the Red Sea and Pacific Ocean, from Australia to Hawaii.



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BD Multicolor Antibody Reagents Catalog **Mouse Antibody Reagents**

Surface Markers			Emission Max											UV Laser (355 nm)		Violet Laser (405 nm)						
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	1		2		3	4	5
Product Name	Clone	React	395 nm	737 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
CD1d (CD1.1, Ly-38)	1B1	Ms	+	+	+	+	+				+	+			562712			563189				
CD2 (LFA-2)	RM2-5	Ms	+	+		+	+					+										
CD3 (molecular complex)	17A2	Ms	+												564008	561389			564009			564010
CD3e (CD3 ε chain)	145-2C11	Ms	+			+							563565					563024	563004		563123	
	500A2	Ms	+			+										560804 560801	560773 560771					
CD4 (L3T4)	GK1.5	Ms	+		+	+	-					+	563790		562891					563232	563050	563331
	H129.19	Ms	+		+	+	-					+										
	RM4-4	Ms	+		+	+	-					+										
	RM4-5	Ms	+		+	+	-					+				560470 560468	560783 560782	563106	563151	563747	563726	563727
CD5 (Ly-1)	53-7.3	Ms	+	+											562739	561244		563069	563194			
CD5.1 (Ly-1.1)	H11-86.1	Ms	+	+																		
CD6	J90-462	Ms	+																			
CD8a (Ly-2)	53-6.7	Ms	+		+								563786		563898	560471 560469	560778 560776	563068	563152	563234	563046	563332
CD8b (Ly-3)	H35-17.2	Ms	+																			
CD8b.2 (Ly-3.2)	53-5.8	Ms	+																			

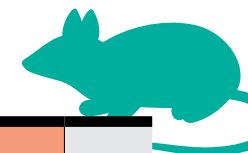
+ Positive[§] – Negative

[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Clone

Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin
	1		2	3		4			5	1	2	3	4	1		2	3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD1d (CD1.1, Ly-38)		553845 561756		553846				562713		553846									553844
CD2 (LFA-2)		553111 561758		553112						553112									553110
CD3 (molecular complex)		555274 561798		561799 555275		555276		560527	560591	561799 555275		555276	560591		557869	561388	560590		
CD3e (CD3 ε chain)		561827 553061 553062	557666	561824 553063 553064	562332 562286	561825 553065	561089 553067	561108 551163	561100 552774	561824 553063 553064	562332 562286	561825 553065	561100 552774	561826 553066			561042 557596		553059 553060
				553240						553240						557984			553239
CD4 (L3T4)		561828 557307 553729		561829 557308 553730					563933	561829 557308 553730							561830 552051	560246 560181	553728
		561831 553650 553651		561832 553652 553653		553654				553652 553653		553654							553648 553649
		553055																	557443
		561835 553046 553047	557667	561837 553048 553049	562314 562285	561836 553050	561090 553052	561115 550954	561099 552775	561837 553048 553049	562314 562285	561836 553050	561099 552775	561091 553051	557681	561025 557956			553044 553045
CD5 (Ly-1)		553020 553021		553022 553023		553024	553025			553022 553023		553024		561895 550035					553018 553019
CD5.1 (Ly-1.1)		557487																	
CD6		558500		558499						558499									
CD8a (Ly-2)	564459 564422	561966 553030 553031	557668	561095 553032 553033	562315 562283	561094 553034	561092 553036	561109 551162	561097 552877	561095 553032 553033	562315 562283	561094 553034	561097 552877	561093 553035	557682	557959	561967 557654	560247 560182	553028 553029
CD8b (Ly-3)				550798						550798									
CD8b.2 (Ly-3.2)		553040 561968		553041						553041									553039

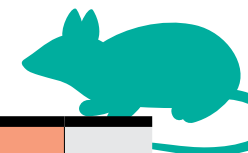
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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin
	1			2	3	4			5	1	2	3	4	1		2	3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD11a (Integrin α_L chain, LFA-1 α)		553120 561683		553121				562809	558191	553121			558191	562810					557365
		553340													563668				557455
CD11b (Integrin α_M chain)	564455 564454	561688 557396 553310	557672	561689 557397 553311	562317 562287			561114 550993	561098 552850	561689 557397 553311	562317 562287		561098 552850	561690 553312	557686	557960	561039 557657		557395 553309
CD11c (Integrin α_X chain)		561045 557400 553801		561044 557401 553802	562454			560584	561022 558079	561044 557401 553802	562454		561022 558079	561119 550261		560583	561241		553800
CD13		558744		558745						558745									
CD14		553739 561710		561711 553740				560638		561711 553740				560634			560636		
CD16/CD32 (Fc γ III/II receptor)		553144 561728		553145 561727				560540	560829	553145 561727			560829	558636			560541		553143
CD18 (Integrin β^2 chain, CR3/CR4)		553292		553293				562827		553293				562828					557439
CD19		561740 557398 553785		561736 557399 553786	562329 562291			561113 551001	561739 552854	561736 557399 553786	562329 562291		561739 552854	561738 550992	557684	557958	561737 557655	560245 560143	553784
CD21/CD35 (CR2/CR1)		553818 561769		552957	563959			562797		552957	563959			561770 558658					562796
CD22 (PY822)			560075	560076						560076									
CD22.2 (Lyb-8.2)		557474		553384						553384									553382
CD23 (FceRII)		553138 561772		561773 553139	563986				562825	561773 553139	563986		562825		562826				553137
CD24 (Heat stable antigen)		553261 561777		561079 553262	562477			562360	560536	561079 553262	562477		560536			564237			553260

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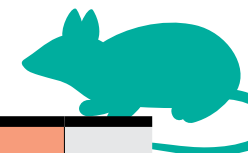
BD Multicolor Antibody Reagents Catalog **Mouse Antibody Reagents**

Surface Markers			Emission Max											UV Laser (355 nm)		Violet Laser (405 nm)								
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	1	2	3	4	5	6			
Product Name	Clone	React	395 nm	737 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786		
CD25 (IL-2 receptor α chain, p55)	3C7	Ms	+	+	+		+																	
	7D4	Ms	+	+	+		+																	
	PC61	Ms	+	+	+		+						564022			561257		563037	563061	564021			564023	
CD26 (THAM, DPP IV)	H194-112	Ms	+	+		+					+													
CD27	LG.3A10	Ms [†]	+	+		+										561245		563605	563365					
CD28	37.51	Ms	+	-		+										562764								
CD29	HM β 1-1	Ms	+	+	+	+	+	+	+		+	+												
CD29 (Integrin β_1 chain)	Ha2/5	Ms [†]														562155								
CD30	mCD30.1	Ms	+	+		+	+																	
CD31 (PECAM-1)	390	Ms	+	+		+	+	+	+	-	+					563356								
	MEC 13.3	Ms	+	+		+	+	+	+	-	+					562939		563089						
CD34 (Mucosialin)	RAM34	Ms	-	-	-	-	-	-	-	-	+													
CD36	CRF D-2712	Ms			+		+			+	+	+												
CD38	90	Ms	+	+	+	+	+	-								562768								
CD40	3/23	Ms	-	+	+	-	+	-		-	+	+				562846								
	HM40-3	Ms [†]	-	+	+	-	+	-		-	+	+												
CD41 (Integrin α_{IIb} chain)	MWRReg30	Ms	-	-	-	-	-	-	+	-	-	+	564056		562957				563317					
CD43 (Ly-48, leukosialin)	S7	Ms	+			+	+	+	+			+			562958		563206	563205						

+ Positive[§] - Negative

[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin	
	1			2	3		4			5	1	2	3	4	1		2	3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm		
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
CD25 (IL-2 receptor α chain, p55)		558689		553075						553075				558643						
		561779 553071 553072		558642						558642					563598				553069 553070	
		564458 564424		561065 553866	562695 562694			561112 551071	561780 552880	561065 553866	562695 562694		561780 552880	561048 557192			561038 557658			
CD26 (THAM, DPP IV)		559652																		
CD27				561785 558754			563603	563604	561785 558754				563604	560691					558753	
CD28				561789 553297	562765				553297	562765					562767				553296	
CD29				562801					562801											
CD29 (Integrin β_1 chain)		555005		562154					562154						562153				555004	
CD30				553825					553825										553824	
CD31 (PECAM-1)		558738	563607						561410				561410		563608				558737	
		561813 553372		561073 553373	563616			562861	561073 553373	563616				561814 551262					553371	
CD34 (Mucosialin)		560238 553733		551387					551387						560233 560230	560518				
CD36				562702					562702					562744						
CD38		558813		553764				562770	553764						562769				553762	
CD40		553790 561845		561846 553791	562847				561846 553791	562847				558695					553789	
		553723													563638					
CD41 (Integrin α_{IIb} chain)		553848 561849		561850 558040					561850 558040											
CD43 (Ly-48, leukosialin)		561856 553270		561857 553271				562865	562866	561857 553271			562866	560663					553269	

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BD Multicolor Antibody Reagents Catalog Mouse Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)		Violet Laser (405 nm)							
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	1	2	3	4	5	6		
Product Name	Clone	React	395 nm	737 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
CD44 (Pgp-1, H-CAM, Ly-24)	IM7	Ms	+	+		+	+	+			+	+			563970	560452 560451	560781 560780	563114	563058		563971	563736	
CD45 (Leucocyte common antigen, Ly-5)	30-F11	Ms	+	+	+	+	+	+	-	-	-	-	+		563890	560501	561487	563891	563053	563410	563709	564225	
CD45.1 (Ly-5.1)	A20	Ms	+	+	+	+	+	+	-	-	-	-	+		563983	560520			563010	563754	563982		
CD45.2 (Ly-5.2)	104	Ms	+	+	+	+	+	+	-	-	-	-	+		562895	560697	562130 562129		563051		563685	563686	
CD45R/B220	RA3-6B2	Ms [†]	+	+	+	+	+	-	-	-	-	-	+	563793		562922	560473 560472	561227 561226	563103	563708	563893	563892	563894
CD45RA	14.8	Ms	+	+	+	+	+	-	-	-	-	-	+										
CD45RB	16A	Ms	+	+	+	+	+	+	-	-	-	-	+		562849								
CD45RC	DNL-1.9	Ms	+	+	+	+	+	-	-	-	-	-	+										
CD47 (IAP)	miap301	Ms	+	+	+	+	+	+	+	+	+	+											
CD48 (BCM1)	HM48-1	Ms	+	+		+	+						+		562745			563536					
CD49b (Integrin α_2 chain)	HM α_2	Ms	+	+		+	+	-	+	-	+	+	+										
	Ha1/29	Ms [†]	+	+		+	+	-	+	-	+	+	+										
CD49b/Pan-NK Cells	DX5	Ms													563063	561638							
CD49d (Integrin α_4 chain)	9C10 (MRF4.B)	Ms	+	+	+	+	+	-	-	-	+		+										
	R1-2	Ms	+	+	+	+	+	-	-	-	+		+										
CD49e (Integrin α_5 chain)	5H10-27	Ms	+		+	+	+		+	+	+	+	+										
CD49f (Integrin α_6 chain)	GoH3	Ms [†]	+				+		+		+	+	+		562598								
CD51 (Integrin α_v chain)	RMV-7	Ms					+	-	+		+												

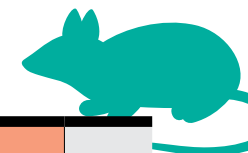
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	1		2	3	4			5	1	2	3	4	1		2	3			
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD44 (Pgp-1, H-CAM, Ly-24)		553133 561859		561860 553134	562464	561861 553135		560570	560569	561860 553134	562464	561861 553135	560569	561862 559250		560567	560568		553132
CD45 (Leucocyte common antigen, Ly-5)		561088 553079 553080		561087 553081	562420	561870 553082	561047 557235	561869 550994	561868 552848	561087 553081	562420	561870 553082	561868 552848	561018 559864		560510	561037 557659		553077 553078
CD45.1 (Ly-5.1)		553775 561871		561872 553776	562452			560580	560578	561872 553776	562452		560578	561873 558701		561235	560579		553774
CD45.2 (Ly-5.2)		553772 561874		560695				561096 552950	560696	560695			560696	561875 558702		560693	560694		553771
CD45R/B220		561877 553087 553088	557669	561878 553089 553090	562313 562290	561879 553091	561086 553093	561101 552771	561881 552772	561878 553089 553090	562313 562290	561879 553091	561881 552772	561880 553092	557683	557957	561102 552094		553085 553086
CD45RA				553380						553380					562763				557460
CD45RB		553099 553100		553101						553101					562848				553097 553098
CD45RC				557357						557357									
CD47 (IAP)		555298 561890		563585	563586					563585	563586				563584				
CD48 (BCM1)		557484		557485					560731	557485			560731	562746			561242		
CD49b (Integrin α_2 chain)				558759						558759				558295					
		554999																	
CD49b/Pan-NK Cells		561067 553857		561066 553858	562453					561066 553858	562453			560628					553856
CD49d (Integrin α_4 chain)				557420						557420									557419
		553156		553157						553157									557406
CD49e (Integrin α_5 chain)				557447						557447									557446
CD49f (Integrin α_6 chain)		561893 555735		561894 555736	562493 562474	551129		562495 562475		561894 555736	562493 562474	551129			562494 562473				
CD51 (Integrin α_v chain)				551187						551187									551380

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BD Multicolor Antibody Reagents Catalog **Mouse Antibody Reagents**

Surface Markers			Emission Max										UV Laser (355 nm)		Violet Laser (405 nm)							
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	1		2		3	4	5
Product Name	Clone	React											395 nm	737 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm
													BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
CD54 (ICAM-1)	3E2	Ms	+	+			+				+							563628				
CD55 (DAF)	RIKO-5	Ms	+	+		+	+	+	+	+	+	+										
CD61 (Integrin β ₃ chain)	2C9.G2	Ms [†]					+		+		+				562917							
CD62E (E-selectin, ELAM-1)	10E9.6	Ms									+											
CD62L (L-selectin, LECAM-1, Ly-22)	MEL-14	Ms	+	+		+	+	+							562910	560507		563117	563252			
CD62P (P-selectin)	RB40.34	Ms							+		+									563897		
CD64 a and b Alloantigens	X54-5/7.1	Ms																				
CD69 (Very early activation antigen)	H1.2F3	Ms				+									562920	560690		563030	563290			
CD70	FR70	Ms	+	+											562908							
CD71 (Transferrin receptor)	C2	Ms	+	+		+									562716			563112	563013			
CD72 a, b, and d Alloantigens (Lyb-2.1, Lyb-2.2, Lyb-2.4)	K10.6	Ms																				
CD72 b and c Alloantigens (Lyb-2.2 and Lyb-2.3)	JY/93	Ms																				
CD73 (Ecto-5-nucleotidase)	TY/23	Ms	+	+	+											561544						
CD74 (li)	In-1	Ms	+	+	+																	
CD79b (Igβ)	HM79b	Ms		+																		
CD80 (B7-1)	16-10A1	Ms [†]	+	+	+		+								562611	560523				563687		
CD81 (TAPA-1)	Eat2	Ms [†]	+	+	+	+	+															

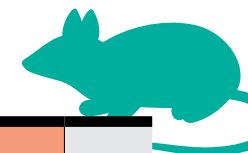
+ Positive[§] – Negative

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Clone

Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin
	1			2	3	4			5	1	2	3	4	1		2	3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD54 (ICAM-1)		553252 561898		553253						553253				561605					553251
CD55 (DAF)				558037						558037									
CD61 (Integrin β ₃ chain)		553346 561911		561910 553347						561910 553347					563523				553345
CD62E (E-selectin, ELAM-1)				553751						553751									553750
CD62L (L-selectin, LECAM-1, Ly-22)		553150 561917		561918 553151	562404			560513	560516	561918 553151	562404		560516	561919 553152		560517	560514		553149
CD62P (P-selectin)		553744 561923													563674				553743
CD64 a and b Alloantigens				558455						558455					558539				
CD69 (Very early activation antigen)		561919 557392 553236		561932 553237	562455			561931 551113	561930 552879	561932 553237	562455		561930 552879	560689		561238	561240		553235
CD70				555286						555286				563634					555285
CD71 (Transferrin receptor)		553266 561936		561937 553267				562858		561937 553267					563504				557416
CD72 a, b, and d Alloantigens (Lyb-2.1, Lyb-2.2, Lyb-2.4)		550966																	
CD72 b and c Alloantigens (Lyb-2.2 and Lyb-2.3)				550269						550269									
CD73 (Ecto-5-nucleotidase)			561545	550741						550741					561543				
CD74 (li)		555318 561941																	
CD79b (Igβ)		555303 561944																	
CD80 (B7-1)		553768 561954		561955 553769	562504			560526		561955 553769	562504			560016					553767
CD81 (TAPA-1)				559519						559519									559518

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

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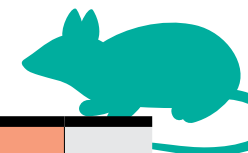
BD Multicolor Antibody Reagents Catalog Mouse Antibody Reagents

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Product Name	Clone	React	395 nm	737 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
CD83	Michel-19	Ms	+	+	+										562932			563222	563253		563136		
CD86 (B7-2)	GL1	Ms	+	+	+		+									560450 560449		563077	563055				
CD90.1 (Thy-1.1)	OX-7	Ms [†]	+		+	+	+								563770	561406					563771	563772	
	HIS51	Ms [†]	+		+	+	+																
CD90.2 (Thy-1.2)	30-H12	Ms																					
	53-2.1	Ms														561643	561616		563008				
CD95 (Fas/APO-1)	Jo2	Ms	+	+	+		+								562633			563646					
CD102 (ICAM-2)	3C4 (mIC2/4)	Ms	+	+	+		+			+													
CD103 (Integrin α_{IEL} chain)	M290	Ms	+												562771			563087					
	M293	Ms	+																				
CD105	MJ7/18	Ms					+								562760								
CD106 (VCAM-1)	429 (MVCAM.A)	Ms			+		+											561615					
CD107a (LAMP-1)	1D4B	Ms	+	+			+											560648					
CD107b (LAMP-2)	ABL-93	Ms	+				+																
CD117 (c-Kit)	2B8	Ms	+	+	+	+	+	+					+	564011				560558			563399	563160	564012
	ACK45	Ms	+	+	+	+	+	+					+										
CD120b (TNF receptor, Type II/p75)	TR75-89	Ms	+	+	+	+	+	+															
CD121a (IL-1 receptor, type I/p80)	35F5	Ms	+		+																		

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	1			2	3	4			5	1	2	3	4	1		2	3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD83			563539	558205						558205				558206					
CD86 (B7-2)		561962 553691		561963 553692					560582	561963 553692			560582	561964 558703		560581			
CD90.1 (Thy-1.1)		554897 561973		551401 554898			557266		561404	551401 554898			561404	561409			561401		
		554894																	
CD90.2 (Thy-1.2)		553012 553013		553014						553014									
		553003 553004		553005 553006					561642	553005 553006			561642	561974 553007			561641		
CD95 (Fas/APO-1)		554257 561979		561985 554258	562499				557653	561985 554258	562499		557653		563647				
CD102 (ICAM-2)		557444																	
CD103 (Integrin α_{IEL} chain)		557494		561043 557495				563637		561043 557495				562772					
		557497		557498						557498									
CD105				562759	562762					562759	562762				562761				
CD106 (VCAM-1)		553332 561678		561613						561613					561612				
CD107a (LAMP-1)		561069 553793		558661					560647	558661			560647	560646					
CD107b (LAMP-2)		558758																	
CD117 (c-Kit)		553354 561680		561075 553355	562417			560557	558163	561075 553355	562417		558163	561074 553356				560250 560185	
				553869						553869									
CD120b (TNF receptor, Type II/p75)				550086						550086									
CD121a (IL-1 receptor, type I/p80)				557489						557489					563629				

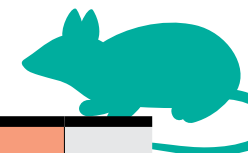
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	1			2	3	4			5	1	2	3	4	1		2	3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD121b (IL-1 receptor, type II/p60)				554450						554450									
CD122 (IL-2 and IL-15 receptor β chain)		554452																	
		553361 561693		553362						553362									559884
CD124 (IL-4 receptor α chain)				561695 552509						552509									552508
CD125 (IL-5 receptor α chain)			558533	558488						558488									
CD126 (IL-6 receptor α chain)				554462						554462									
CD127 (IL-7 receptor α chain)			561533	552543	562419				560733	552543	562419		560733						
CD131 (β _{L-3R'} β _L)				559920						559920									
CD132 (Common γ chain, γ _c)				554457						554457									
				554471						554471									554470
CD135 (Flk-2/Flt3, Ly-72)				561068 553842	562537					561068 553842	562537			560718					
CD137 (4-1BB, Ly-63)		558975		558976						558976									558974
CD138 (Syndecan-1)				561070 553714						561070 553714				561705 558626					553713
CD140a				562776	562775					562776	562775			562777					
CD144				562243						562243					562242				
CD146			562229	562196				562231		562196					562230				
CD147				562676	562836					562676	562836								
CD150				562651											562647				
CD152 (CTLA-4)				561718 553720						561718 553720									
CD153 (CD30 ligand)				559232						559232									
CD154 (CD40 ligand, gp39)				561719 553658						561719 553658									553657

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Product Name	Clone	React	395 nm	737 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
CD157 (BP-3 alloantigen)	BP-3	Ms	+	+			+	+			+												
CD160	CNX46-3	Ms	+			+																	
CD162 (PSGL-1)	2PH1	Ms	+				+	+	+						562807			563448					
CD172a (SIRP α , SHPS-1, BIT)	P84	Ms			+		+	+															
CD178 (Fas ligand, CD95 ligand)	MFL3	Ms	+		+																		
CD178.1 (mFasL.1, CD95 ligand)	Kay-10	Ms	+		+																		
CD183	CXCR3-173	Ms	+	+		+	+								562937								
CD184 (CXCR4, fusin)	2B11/CXCR4	Ms	+	+			+	+							562738	560875		563468					
CD185 (CXCR5)	2G8	Ms	+	+	+							563980			562889						563981		
CD193 (CCR3)	83103	Ms	+		+		+	+															
CD195 (CCR5)	C34-3448	Ms	+		+	+	+																
CD196 (CCR6)	140706	Ms	+	+	+																		
CD197 (CCR7)	4B12	Ms	+	+	+										562675	560805							
CD210 (IL-10 receptor)	1B1.3a	Ms	+	+	+	+	+																
CD212 (IL-12 receptor β chain)	114	Ms	+	+	+	+	+																
CD223 (LAG3)	C9B7W	Ms	+	-	-	+																563179	
CD229.1 (Ly-9.1)	30C7	Ms	+	+			+	+			+												
CD244.2 (2B4 B6 alloantigen)	2B4	Ms																					
CD267 (TACI)	8F10	Ms		+																			
CD272 (BTLA)	HMBT-6B2	Ms	+	+	+	+	+																
CD273 (B7-DC, PD-L2)	TY25	Ms	+		+		+								564245								

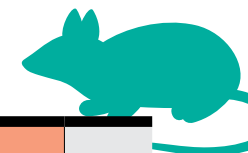
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	1			2	3	4			5	1	2	3	4	1		2	3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
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CD157 (BP-3 alloantigen)				552814						552814									
CD160				562216	562512			562218		562216	562512				562217				
CD162 (PSGL-1)				555306						555306					562806				
CD172a (SIRPα, SHPS-1, BIT)		560316		560107						560107				560106					
CD178 (Fas ligand, CD95 ligand)				555293						555293									555292
CD178.1 (mFasL.1, CD95 ligand)				553854						553854									553853
CD183				562152						562152				562266					
CD184 (CXCR4, fusin)		561735 551967		551966						551966				558644					551968
CD185 (CXCR5)		561989 560577			562856			560528	560617		562856		560617	560615					551960
CD193 (CCR3)															557974				
CD195 (CCR5)				559923						559923									559922
CD196 (CCR6)															561753 557976				
CD197 (CCR7)				560682	563596			560812		560682	563596				560766				
CD210 (IL-10 receptor)				559914						559914									
CD212 (IL-12 receptor β chain)				551974						551974									551973
CD223 (LAG3)				552380						552380					562346				
CD229.1 (Ly-9.1)		553117		560201						560201					560188				557363
CD244.2 (2B4 B6 alloantigen)		553305 561778		553306						553306									557452
CD267 (TACI)				558410						558410					558453				
CD272 (BTLA)				563774						563774									
CD273 (B7-DC, PD-L2)				557796						557796					560086				

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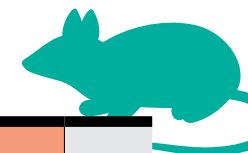
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CD274 (B7-H1, PD-L1)	MIH5	Ms	+	+	+	+	+								564070							563369
CD278 (ICOS)	7E.17G9	Ms	+																			
CD279 (PD-1)	J43	Ms	+	+											562584				563059			
CD282 (TLR-2)	6C2	Ms			+		+															
CD284/MD-2 Complex (TLR4/MD-2 complex)	MTS510	Ms																				
CD314 (NKG2D)	CX5	Ms	+		+	+									562800							563694
CD326 (EPCAM)	G8.8	Ms													563214			563216				563134
CD335 (NKp46)	29A1.4	Ms					+								562850	560764 560763		563455	564069			
A2B5	105/A2B5	Ms [†]																				
Annexin V	–	–																				
B7-H3 (CD276)	MIH32	Ms	+	+	+	+	+								562634							
B7-H4	MIH29	Ms	+						+													
Clec9A	10B4	Ms			+																	
Clec12A	5D3	Ms		+	+		+															
Delta-Like Protein 1	30B11.1	Ms																				
Delta-Like Protein 4	9A1.5	Ms			+																	
Dendritic Cells	33D1	Ms			+																	
DO-11.10 Clonotypic TCR	KJ1-26	Ms	+																			
Early B Lineage	AA4.1	Ms		+											563806						563807	
F4/80 Receptor	6F12	Ms			+		+								563900			563633				
FR4	12A5	Ms	+																			
	TH6	Ms	+																			

+ Positive[§] – Negative

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	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD274 (B7-H1, PD-L1)				558091						558091									
CD278 (ICOS)				552146						552146					563469				552145
CD279 (PD-1)				561788 551892	562523					561788 551892	562523			562671					
CD282 (TLR-2)															562625				
CD284/MD-2 Complex (TLR4/MD-2 complex)				558294						558294									
CD314 (NKG2D)				558403	562614					558403	562614			562347					
CD326 (EPCAM)				563477						563477				563478					
CD335 (NKP46)		560756		560757				560800		560757					560755	561169			
A2B5															563776				
Annexin V		560931 566420 556419		560930 556422 556421				561431		560930 556422 556421				561012 550475 550474					556418 556417
B7-H3 (CD276)			562863	562357						562357					562862				
B7-H4				562239						562239					563639				
Clec9A				562734															
Clec12A				562773															
Delta-Like Protein 1				563684						563684									
Delta-Like Protein 4				563802						563802									
Dendritic Cells				557578						557578					562524				552776
DO-11.10 Clonotypic TCR				551772						551772									
Early B Lineage		559156 561990		558039	563805					558039	563805								
F4/80 Receptor				563899						563899									
FR4				560320						560320				560318					
				560324						560324				560319					

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

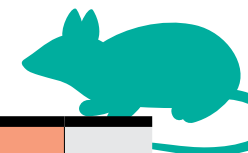
BD Multicolor Antibody Reagents Catalog Mouse Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)		Violet Laser (405 nm)						
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	1	2	3	4	5	6	
Product Name	Clone	React	395 nm	737 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
GITR	DTA-1	Ms	+												563391							563390
H-2D ^b	KH95	Ms	+	+	+	+	+	+														
H-2D ^d	34-2-12	Ms	+	+	+	+	+	+														
	34-5-8S	Ms	+	+	+	+	+	+														
H-2D ^k	15-5-5	Ms	+	+	+	+	+	+														
H-2K ^b	AF6-88.5	Ms	+	+	+	+	+	+							562942							
H-2K ^b /H-2D ^b	28-8-6	Ms	+	+	+	+	+	+														
H-2K ^d	SF1-1.1	Ms	+	+	+	+	+	+														
H-2K ^k	36-7-5	Ms	+	+	+	+	+	+														
	AF3-12.1	Ms	+	+	+	+	+	+														
H-2K ^a	KH114	Ms	+	+	+	+	+	+														
H-2K ^e	KH49	Ms	+	+	+	+	+	+														
I-A/I-E	2G9	Ms		+	+		+															
	M5/114.15.2	Ms		+	+		+								562564		562366		563413	563415	563414	
I-A ^b	AF6-120.1	Ms		+	+		+								562928							
I-A ^d	I-A ^b (A _β ^b)	Ms		+	+		+															
	39-10-8	Ms		+	+		+															
I-A ^k	AMS-32.1	Ms		+	+		+															
	11-5.2	Ms		+	+		+															
I-A ^k (A _β ^k)	10-3.6	Ms		+	+		+															

+ Positive[§] – Negative

[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin
	1		2	3	4			5	1	2	3	4	1		2	3			
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
GITR		558139		558119					558140	558119			558140						
H-2D ^b		553573 562000		553574						553574									553572
H-2D ^d		553579 562001		553580						553580									553578
				558917						558917									
H-2D ^k		553585																	
H-2K ^b		553569 562002		561072 553570				562831		561072 553570					562832				553568
H-2K ^b /H-2D ^b																			553576
H-2K ^d		553565 562003		562004 553566						562004 553566									553564
H-2K ^k		553592 562005		553593						553593									553591
		553554																	
H-2K ^a		553597																	
H-2K ^e		558841																	
I-A/I-E		553623 562009		562010 558593						562010 558593									553622
			562352	557000				562363		557000					562367				
I-A ^b		553551 562011		562012 553552	562824					562012 553552	562824			562823					553550
I-A ^b (A _β ^b)		553605																	553604
I-A ^d		553610																	553609
		553547 562013		553548						553548									553546
I-A ^k (A _α ^k)		553536		553537						553537									558794
I-A ^k (A _β ^k)		553540 562014																	553539

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

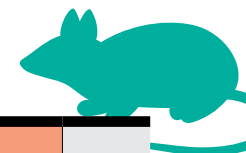
† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Mouse** Antibody Reagents

Surface Markers			Emission Max										UV Laser (355 nm)		Violet Laser (405 nm)							
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1 395 nm	2 737 nm	1 421 nm 448 nm		2 500 nm 510 nm		3 602 nm	4 650 nm	5 711 nm
Product Name	Clone	React											BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
I-A ^P	7-16.17	Ms	+	+		+																
I-E ^k	17-3-3	Ms	+	+		+																
	14-4-45	Ms [†]	+	+		+																
Ig (affinity-purified)	Polyclonal	Ms	+																			
Ig, κ light chain	187.1	Ms	+												562888	561354						
	X36	Ms	+																			
IgA	C10-3	Ms	+																			
IgD	11-26c.2a	Ms	+													560869		563110	563003			563618
IgD ^a (Igh-5a, Igh-5.4)	AMS 9.1	Ms	+																			
IgD ^b (Igh-5b)	217-170	Ms	+																			
IgE	R35-72	Ms	+												564207			563097		564208		564206
IgG & IgM (human adsorbed)	Polyclonal	Ms	+																			
IgG ₁	A85-1	Ms	+												562580	562107			563285			
	X56	Ms	+																			
IgG _{2a}	R19-15	Ms	+																564024			
IgG _{2a/2b}	R2-40	Ms	+																			
IgG _{2a+b}	X57	Ms	+																			
IgG _{2a} ^a (Igh-1a)	8.3	Ms	+																			
IgG _{2b}	R12-3	Ms	+																			
IgG ₃	R40-82	Ms	+																			

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin
	1		2	3	4			5	1	2	3	4	1		2	3			
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
I-AP		558921																	
I-E ^k		558846																	558845
		553543 562015		553544						553544									558735
Ig (affinity-purified)		349031*																	
Ig, κ light chain		550003		561021 559940	562476			560668	560667	562021 559940	562476		560667			561351	561353		559750
				349073*						349073*									
IgA		559354																	
IgD		553439 562022		558597						558597				560868					
IgD ^a (Igh-5a, Igh-5.4)		553507																	553506
IgD ^b (Igh-5b)		553510		553511						553511									553509
IgE		553415																	553414
IgG & IgM (human adsorbed)		555988																	
IgG ₁		562026 553443		562027 550083	562559					562027 550083	562559			560089					553441
				340270*			340272*			340270*				550874					
IgG _{2a}		553390 562028																	553388 550332
IgG _{2a/2b}		553399																	553398
IgG _{2a+b}				340269*			340271*			340269*									
IgG _{2a} ^a (Igh-1a)																			553502
IgG _{2b}		553395																	553393 550333
IgG ₃		553403																	553401

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Mouse Antibody Reagents**

Surface Markers			Emission Max											UV Laser (355 nm)		Violet Laser (405 nm)						
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	1	2	3	4	5	6	
Product Name	Clone	React											395 nm	737 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm
													BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
IgM	II/41	Ms		+																		
	R6-60.2	Ms		+								564025		562595	560575		563118		564027	564026	564028	
IgM ^a (Igh-6a)	DS-1	Ms		+																		
IgM ^b (Igh-6b)	AF6-78	Ms		+																		
IL-21 Receptor (CD360)	4A9	Ms	+	+		+																
IL-23R	O78-1208	Ms	+		+		+															
KLRG1	2F1	Ms	+			+									562897	561625						
LAP	TW7-16B4	Ms	+																			
Lineage Cocktail	-	Ms	+	+	+	+	+	+								561301						
LPAM-1 (Integrin $\alpha_4\beta_7$ complex)	DATK32	Ms	+	+											562943							
Ly-6A/E (Sca-1)	D7	Ms	+	+								+	563990		562729	560653	561229 561228		563288			563991
	E13-161.7	Ms	+	+								+										
Ly-6C	AL-21	Ms	+			+	+	+							562727	560594			563011			
Ly-6d	49-H4	Ms	+	+																		
Ly-6G	1A8	Ms						+					563978		562737	560603			563005		563979	
Ly-6G and Ly-6C (Gr-1)	RB6-8C5	Ms					+	+					563849		562709	560454 560453		563040	563299			
Ly-49A ^{B6}	A1	Ms	+	+	+	+		+								561204						
Ly-49C and Ly-49I	5E6	Ms	+			+																

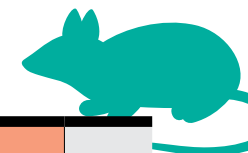
+ Positive[§] – Negative

[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Clone

Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin
	1			2	3	4			5	1	2	3	4	1		2	3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
IgM		553437												562032 550676					553436
		562033 553408		553409	562565			562034 550881	552867	562033 553409	562565		552867						553406
IgM ^a (Igh-6a)		553516		553517						553517									553515
IgM ^b (Igh-6b)		553520		553521						553521									553519
IL-21 Receptor (CD360)				558607						558607									
IL-23R				562497						562497									
KLRG1			561619	561621				563595		561621				561620					550863
LAP				563143						563143									
Lineage Cocktail								561317						558074					
LPAM-1 (Integrin $\alpha_4\beta_7$ complex)				553811	562668					553811	562668			562376					
Ly-6A/E (Sca-1)		562058 557405		562059 553108	562730				561021 558162	562059 553108	562730		561021 558162				560654		557404
		561077 553335		561076 553336						561076 553336									553334
Ly-6C		561085 553104		560592	562728			560525	560593	560592	562728		560593	560595			561237	560596	557359
Ly-6d		561148		561149						561149					561147				
Ly-6G		561105 551460		561104 551461	562700			560602	560601	561104 551461	562700		560601	560599			561236	560600	
Ly-6G and Ly-6C (Gr-1)		562060 553126 553127		561084 553128	562710			561103 552093	552985	561084 553128	562710		552985	561083 553129			557979	557661	553124 553125
Ly-49A ⁶⁶		553677		557424						557424									557423
Ly-49C and Ly-49I		553276 562055		553277						553277									557418

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

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BD Multicolor Antibody Reagents Catalog **Mouse Antibody Reagents**

Surface Markers			Emission Max										UV Laser (355 nm)		Violet Laser (405 nm)							
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	1	2	3	4	5	6	
Product Name	Clone	React											395 nm	737 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm
													BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
Ly-49D	4E5	Ms				+																
Ly-49F	HBF-719	Ms	+			+																
Ly-49G2 (LGL-1)	4D11	Ms	+			+																
Ly-49G2 ^{B6}	Cwy-3	Ms																				
Ly-49H	3D10	Ms				+																
Ly-49I	YLI-90	Ms				+																
Ly-51 (6C3/BP-1 antigen)	6C3	Ms		+	+																	
	BP-1	Ms		+	+																	
Ly-108 (CD352)	13G3	Ms	+	+	+	+	+	+														
Mac-3	M3/84	Ms			+		+				+											
MD-1 (Ly-86)	MD14	Ms		+																		
NK-1.1 (NKR-P1B and NKR-P1C)	PK136	Ms	+			+						564144		562921	560524		563096	563220	564143			
NKG2A/C/E	20d5	Ms	+			+																
NK-T/NK Cell Antigen (ICAM-1)	U5A2-13	Ms	+			+																
Notch1	22E5.5	Ms	+	+		+	+															
Notch2	16F11	Ms	+	+																		
PIR-A/B	6C1	Ms		+	+		+															
RAE-1	CX1	Ms																				
RANKL/TRANCE	IK22-5	Ms	+																			
Siglec-F	E50-2440	Ms					+	+							562681							
Siglec-G	SH1	Ms		+																		

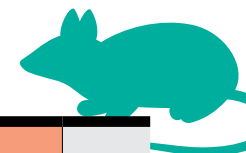
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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin
	1			2	3	4			5	1	2	3	4	1		2	3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
Ly-49D		555313 562056																	
Ly-49F				550987						550987									550986
Ly-49G2 (LGL-1)		555315							560730				560730	555316					
Ly-49G2 ^{B6}		550580																	
Ly-49H		562536		562206	562519					562206	562519				562207				
Ly-49I				550595						550595									
Ly-51 (6C3/BP-1 antigen)		553160 562057																	553159
				553735						553735									
Ly-108 (CD352)				561540						561540					561547				
Mac-3		553323 562061		553324						553324									
MD-1 (Ly-86)															558204				
NK-1.1 (NKR-P1B and NKR-P1C)		561082 553164		561046 557391 553165	562864			561111 551114	562062 552878	561046 557391 553165	562864		562062 552878	561117 550627		560515	560618		553163
NKG2A/C/E		550520 562063																	550519
NK-T/NK Cell Antigen (ICAM-1)				550082						550082									
Notch1				562754															
Notch2				562755															
PIR-A/B				550349						550349									
RAE-1				558078						558078									
RANKL/TRANCE				560295						560295					560296				
Siglec-F				562068 552126	562757					552126	562757				562680				
Siglec-G					563337						563337				563336				

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BD Multicolor Antibody Reagents Catalog Mouse Antibody Reagents

Surface Markers			Emission Max										UV Laser (355 nm)		Violet Laser (405 nm)							
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	1	2	3	4	5	6	
Product Name	Clone	React	395 nm	737 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
SSEA-1	MC480	Ms													562705	561561						
SSEA-3	MC631	Ms [†]													562706							
Streptavidin	-	-	-	-	-	-	-	-	-	-	-	-	564176		563259	560797	561419	563261	563260	563855	563262	563858
Syndecan-4	KY/8.2	Ms	+	+																		
T- and B-Cell Activation Antigen (GL7, Ly-77)	GL7	Ms	+	+											562967							
TCR β chain	H57-597	Ms	+												562839	560706		563221	562840		563135	
TCR γδ	GL3	Ms	+												562892			563218		563993	563994	
TER-119/Erythroid cells (Ly-76)	TER-119	Ms									+		563827		563998	560504		563995	563323	563850		
TIM-4	RMT4-54	Ms																				
	21H12	Ms																				
TLT-2	MIH47	Ms	+	+	+	+	+	+							564185							
Vα2 TCR	B20.1	Ms	+												562944	560625			563286			
Vα3.2 ^{b,c} TCR	RR3-16	Ms	+																			
Vα8.3 TCR	B21.14	Ms	+																			
	KT50	Ms	+																			
Vβ2 TCR	B20.6	Ms	+																			
Vβ3 TCR	KJ25	Ms	+																			
Vβ4 TCR	KT4	MS	+																			
Vβ5.1, 5.2 TCR	MR9-4	Ms	+																			
Vβ6 TCR	RR4-7	Ms	+																			

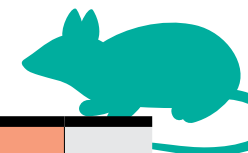
+ Positive[§] – Negative

[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Clone

Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin
	1		2	3	4			5	1	2	3	4	1		2	3			
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
SSEA-1		560127		560886 560142	562486					560886 560142	562486				562277 560120				
SSEA-3		560881 560236		560879 560237	562486			561564		560879 560237	562486								
Streptavidin	564453	554060		554061 349023*	562318 562284	554062	554064 340130*	551419	557598	554061 349023*	562318 562284	554062	557598	554067 349024*			554063		
Syndecan-4				550352						550352									550351
T- and B-Cell Activation Antigen (GL7, Ly-77)		553666 562080		561530						561530					561529				
TCR β chain		562081 553170 553171		561081 553172	562841	553173		560657	560729	561081 553172	562841	553173	560729	561080 553174		560705	560656		553168 553169
TCR γδ		553177 561996		561997 553178	563532					561997 553178	563532								553176
TER-119/Erythroid cells (Ly-76)		561032 557915		561071 553673				560512	557853	561071 553673			557853	561033 557909		560508	560509		553672
TIM-4				564147						564147					564178				
															564177				
TLT-2																			
Vα2 TCR		562085 553288		561078 553289				560529	560624	561078 553289			560624	560622		561239	560623		553287
Vα3.2 ^{b,c} TCR		553219																	553218
Vα8.3 TCR		553376		553377						553377									
																			557096
Vβ2 TCR		553280		553281						553281									553279
Vβ3 TCR		553208		553209						553209									553207
Vβ4 TCR		553365		553366															553364
Vβ5.1, 5.2 TCR		553189 562087		562086 553190						562086 553190									553188
Vβ6 TCR		553193		553194						553194									553192

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

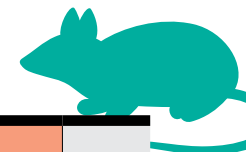
† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Mouse Antibody Reagents**

Surface Markers			Emission Max											UV Laser (355 nm)		Violet Laser (405 nm)						
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1 395 nm	2 737 nm	1 421 nm 448 nm		2 500 nm 510 nm		3 602 nm	4 650 nm	5 711 nm
Product Name	Clone	React											BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
Vβ7 TCR	TR310	Ms	+																			
Vβ8 TCR	F23.1	Ms	+																			
Vβ8.1, 8.2 TCR	MR5-2	Ms	+																			
Vβ8.3 TCR	1B3.3	Ms	+																			
Vβ9 TCR	MR10-2	Ms	+																			
Vβ10 ^a TCR	B21.5	Ms	+																			
Vβ11 TCR	RR3-15	Ms	+																			
Vβ11.1, 11.2 ^{b,d} TCR	RR8-1	Ms	+																			
Vβ12 TCR	MR11-1	Ms	+																			
Vβ13 TCR	MR12-3	Ms	+													561539						
Vβ14 TCR	14-2	Ms	+																			
Vβ17 ^a TCR	KJ23	Ms	+																			
Vδ4 TCR	GL2	Ms	+																			
Vδ6.3/2 TCR	8F4H7B7	Ms	+																			
Vγ2 TCR	UC3-10A6	Ms	+																			
Vγ3 TCR	536	Ms	+																			

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin
	1			2	3	4			5	1	2	3	4	1		2	3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
Vβ7 TCR		553215		553216						553216									
Vβ8 TCR		553861		553862						553862									553860
Vβ8.1, 8.2 TCR		553185		553186						553186									553184
Vβ8.3 TCR		553663		553664						553664									
Vβ9 TCR		553201																	
Vβ10 ^b TCR		553284		553285						553285									
Vβ11 TCR		553197		553198						553198									553196
Vβ11.1, 11.2 ^{b,d} TCR		553222		553223						553223									553221
Vβ12 TCR		553300																	553299
Vβ13 TCR		553204		561541						561541				561542					
Vβ14 TCR		553258																	553257
Vβ17 ^a TCR		553212																	
Vδ4 TCR		552143																	
Vδ6.3/2 TCR				555321						555321									
Vγ2 TCR		553226																	
Vγ3 TCR		553229																	

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

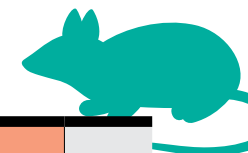
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BD Multicolor Antibody Reagents Catalog **Mouse Antibody Reagents**

Intracellular Cytokines and Chemokines			Emission Max										UV Laser (355 nm)		Violet Laser (405 nm)								
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	1		2		3	4	5	6
Product Name	Clone	React	395 nm	737 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
GM-CSF	MP1-22E9	Ms	+				+																
IFN- γ	XMG1.2	Ms	+			+									563376	560661					563854		563773
IL-1- α	ALF-161	Ms			+		+																
IL-2	JES6-5H4	Ms	+												562969	560546				563911			
IL-3	MP2-8F8	Ms	+			+																	
IL-4	11B11	Ms	+												562915	560701				564007		564005	564006
	BVD4-1D11	Ms	+																				
IL-5	TRFK5	Ms [†]	+																				
IL-6	MP5-20F3	Ms	+		+		+									561376							
IL-9	D9302C12	Ms	+																				
IL-10	JES5-16E3	Ms	+	+			+								563276	561429		563277	564082	564083	564081		
IL-12 (p40/p70)	C15.6	Ms			+		+									561456							
IL-17A	TC11-18H10	Ms	+												563354	560522							
IL-17F	O79-289	Ms	+																				
IL-27 p28 (IL-30)	MM27.7B1	Ms			+		+																
MCP-1	2H5	Ms [†]	+				+																
TNF	MP6-XT22	Ms	+	+	+	+	+								563387	560655		563386		563943	563944		
	TN3-19.12	Ms [†]	+	+	+	+	+																

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Intracellular Cytokines and Chemokines	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin	
	1			2	3		4			5	1	2	3	4	1		2	3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm		
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
GM-CSF				554406						554406										
IFN-γ		562019 554411	557724	562020 554412	562333 562303			560660	561040 557649	562020 554412	562333 562303		561040 557649	562018 554413	557735	557998	561479		554410	
IL-1-α				559810						559810										
IL-2		562040 554427	557725	561061 554428	562483			560544	560538	561061 554428	562483		560538	562041 554429		561287	560547		554426	
IL-3				554383						554383										
IL-4			557728	562044 554435	562450			560700	560699	562044 554435	562450		560699	562045 554436	557739					
				554389						554389										
IL-5				562049 554395						562049 554395				562048 554396						
IL-6			561363	562050 554401						562050 554401				561367						
IL-9				561463						561463					561464					
IL-10		562037 554466		561060 554467						561060 554467				561059 554468					554465	
IL-12 (p40/p70)		560564		562038 554479						562038 554479				554480						
IL-17A			560221 560220	561020 559502	562542			561020 560666		561020 559502	562542				560224 560184	560820	560821			
IL-17F			561658 561631	561656 561627	562418			562194		561656 561627	562418				561657 561630					
IL-27 p28 (IL-30)														562792						
MCP-1				554443						554443										
TNF		561064 554418	557719	561063 554419				560659	561041 557644	561063 554419			561041 557644	561062 554420	557730	558000	560658			
				559503						559503										

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

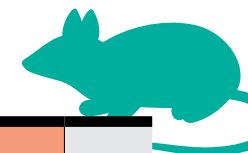
BD Multicolor Antibody Reagents Catalog Mouse Antibody Reagents

Intracellular Cell-Signaling and Transcription Factors			Emission Max										UV Laser (355 nm)		Violet Laser (405 nm)							
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	1	2	3	4	5	6	
Product Name	Clone	React											395 nm	737 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm
													BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
CD140b (pY771) (PDGF receptor β)	J23-1044	Ms																				
CD140b (pY857) (PDGF receptor β)	J24-618	Ms [†]																				
CD140b (pY1009) (PDGF receptor β)	J25-650	Ms [†]																				
CD140b (pY1021) (PDGF receptor β)	J105-412	Ms [†]																				
AKT (pS473)	M89-61	Ms [†]	+	+		+	+	+			+	+			562599							
AKT (pT308)	J1-223.371	Ms [†]	+	+		+	+	+			+	+										
Bcl-2	3F11	Ms	+																			
Bcl-6	K112-91	Ms [†]	+	+											563363	562204						
Blimp-1	5E7	Ms	+	+		+						+										
BLNK (pY84)	J117-1278	Ms [†]	+																			
BLNK (SLP-65, BASH, BCA)	2B11	Ms [†]	+																			
BrdU	3D4	Ms														560810	563445					
Btk (pY223) & Itk (pY180)	N35-86	Ms [†]	+	+																		
Caspase-3, Active Form (CPP32)	C92-605	Ms [†]														560627						
	Polyclonal	Ms [†]																				
c-Cbl (pY700)	47/c-Cbl	Ms [†]	+																			
Cyclin B1 (a.a 1-21)	GNS-1	Ms [†]	+																			
eNOS	33/eNOS	Ms [†]									+											
ERK1/2 (pT202/pY204)	20A	Ms [†]	+	+		+	+	+							562981							
ERK2	G263-7	Ms [†]	+	+		+	+	+														
Fibronectin	10/Fibronectin	Ms [†]										+										

Clone Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

+ Positive[§] – Negative
[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

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Intracellular Cell-Signaling and Transcription Factors	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin
	1		2	3		4			5	1	2	3	4	1		2	3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD140b (pY771) (PDGF receptor β)			558424	558426						558426					558425				
CD140b (pY857) (PDGF receptor β)			558427	558429						558429					558428				
CD140b (pY1009) (PDGF receptor β)				558322						558322					558323				
CD140b (pY1021) (PDGF receptor β)			558419	558417						558417					558418				
AKT (pS473)					562465						562465								
AKT (pT308)				558275						558275									
Bcl-2		554221		556537						556537									
Bcl-6			561524	561522				562198	563582	561522			563582		561525		563581		
Blimp-1															563643				
BLNK (pY84)			558444	558442						558442					558443				
BLNK (SLP-65, BASH, BCA)			558693	558688						558688					558692				
BrdU		556028		556029			560808	560809		556029									
Btk (pY223) & Itk (pY180)				562753															
Caspase-3, Active Form (CPP32)		560901 559341		550821						550821					560626			550557	
				557091						557091								557038	
c-Cbl (pY700)			558101	558087						558087					558100				
Cyclin B1 (a.a 1-21)		554108		550783						550783									
eNOS				560103						560103					560102				
ERK1/2 (pT202/pY204)			612592	612566 561991 [†]	562644			560115	560116	612566 561991 [†]	562644		560116		612593				
ERK2			558525	558530						558530					558526				
Fibronectin			563100												563098				

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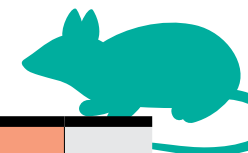
BD Multicolor Antibody Reagents Catalog Mouse Antibody Reagents

Intracellular Cell-Signaling and Transcription Factors			Emission Max										UV Laser (355 nm)		Violet Laser (405 nm)							
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1 395 nm	2 737 nm	1 421 nm	2 448 nm	3 500 nm	4 510 nm	5 602 nm	6 650 nm	7 711 nm
Product Name	Clone	React											BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
Flk-1 (VEGF-R2, Ly-73)	Avas 12α1	Ms													562941	561256						
Foxp3	MF23	Ms	+												562996	561293						
	R16-715	Ms	+																			
GATA3	L50-823	Ms	+			+						+			563349							
GATA4	L97-56	Ms [†]										+										
Helios	22F6	Ms [†]	+										+	+								
Histone H3 (pS28)	HTA28	Ms [†]	+													560606						
JNK (pT183/pY185)	N9-66	Ms [†]	+																			
Ki-67	B56	Ms [†]	+	+	+	+	+	+				+	+	+	562899	561281						
Lck	MOL 171	Ms [†]	+	+		+																
MAPKAPK-2 (pT334)	P24-694	Ms [†]	+	+																		
MEK1	25/MEK1	Ms [†]																				
Myogenin	F5D	Ms [†]																				+
Nanog	M55-312	Ms																				+
NeuroD1	R8-294	Ms [†]																				+
Nkx-6.1	R11-560	Ms [†]																				+
Notch1	mN1A	Ms [†]	+																			+
Nucleostemin	P22-1125	Ms [†]																				+
Oct-2	9A2	Ms [†]	+	+	+		+								563196							
Oct3/4	40/Oct-3	Ms [†]																				+
p38 MAPK (pT180/pY182)	36/p38 (pT180/pY182)	Ms [†]	+																			
p53	G59-12	Ms [†]																				
PARP, Cleaved Form (Asp 214)	F21-852	Ms [†]																				
Pax5	1H9	Ms [†]		+											563190							+

+ Positive[§] – Negative

[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

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Intracellular Cell-Signaling and Transcription Factors	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin
	1		2	3	4			5	1	2	3	4	1		2	3			
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
Flk-1 (VEGF-R2, Ly-73)		560680		561052 555308				560681	561259	561052 555308			561259	561993 560070			561252		
Foxp3			560407 560403	560414 560408	562466					560414 560408	562466				560402 560401				
			563487	563101				563902		563101					563486				
GATA3					563510						563510								
GATA4			560330	560328						560328					560400				
Helios			563950	563801						563801					563951				
Histone H3 (pS28)															558217				
JNK (pT183/pY185)				562480						562480					562481				
Ki-67		556026		556027				561284	561283	556027			561283		561126	561277			
Lck			558504	558496						558496					558505				
MAPKAPK-2 (pT334)			562471	562470						562470					562472				
MEK1				560099						560099					560101				
Myogenin				563120						563120									
Nanog			560278	560277						560277					560279				
NeuroD1				563001						563001					563566				
Nkx-6.1				563023						563023					563338				
Notch1				552768						552768									
Nucleostemin				562750															
Oct-2				562838	563471					562838	563471				563472				
Oct3/4			560253	560186						560186					560329				
p38 MAPK (pT180/pY182)			612594	612565 562065†	563569			560406	560241	612565 562065†	563569		560241		612595 562066†				
p53		557026		557027						557027									
PARP, Cleaved Form (Asp 214)		558576		552933						552933					558710	560640			
Pax5			562816	562688	562815						562815				562814				

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

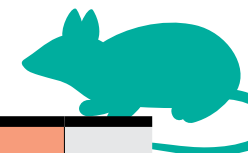
BD Multicolor Antibody Reagents Catalog **Mouse Antibody Reagents**

Intracellular Cell-Signaling and Transcription Factors			Emission Max										UV Laser (355 nm)		Violet Laser (405 nm)							
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1 395 nm	2 737 nm	1 421 nm	2 448 nm	3 500 nm	4 510 nm	5 602 nm	6 650 nm	7 711 nm
Product Name	Clone	React											BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
PDX-1	658A5	Ms [†]																				
Phosphotyrosine	PY20	Ms [†]																				
PKCα(pT497)	K14-984	Ms [†]	+																			
PLC-γ2	K86-1161	Ms [†]		+		+																
Rb (a.a. 332-344)	G3-245	Ms [†]	+	+	+	+	+	+														
Rb, underphosphorylated (a.a. 514-610)	G99-549	Ms [†]	+	+	+	+	+	+		+	+	+										
Ronin/THAP11	P56-507	Ms [†]																				
RORγt	Q31-378	Ms	+																			562894
S6 (pS244)	N5-676	Ms [†]	+																			
Smad2 (pS465/pS467)/Smad3 (pS423/pS425)	072-670	Ms [†]	+	+																		
Sox2	245610	Ms [†]																				
	038-678	Ms [†]																				
Stat1 (pY701)	4a	Ms [†]	+	+		+	+															562985
Stat3 (pY705)	4/P-STAT3	Ms [†]	+	+		+	+															
Stat4 (pY693)	38/p-Stat4	Ms [†]	+			+																
Stat5 (pY694)	47	Ms [†]	+	+		+	+															
Stat6 (pY641)	J71-773.58.11	Ms	+	+		+	+															
Syk (pY348)	I120-722	Ms [†]	+																			
T-Bet	04-46	Ms [†]	+		+	+																563318
	4B10	Ms [†]	+		+	+																561312
XBP-1S	Q3-695	Ms [†]		+																		563382
Zap-70 (pY319)/Syk (pY352)	17a/P-ZAP70	Ms [†]	+																			

+ Positive[§] – Negative

[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Intracellular Cell-Signaling and Transcription Factors	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin
	1			2	3	4			5	1	2	3	4	1		2	3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
PDX-1			562274	562161				563436		562161					562265				
Phosphotyrosine				558008						558008									
PKCα(pT497)			560139	560141						560141					560140				
PLC-γ2			560135	560134						560134					560136				
Rb (a.a. 332-344)		556538																	
Rb, underphosphorylated (a.a. 514-610)		550501		550502						550502									
Ronin/THAP11				562549						562549									
RORγt				562607	562684			562683		562607	562684				562682				
S6 (pS244)				560462						560462					560465				
Smad2 (pS465/pS467)/ Smad3 (pS423/pS425)				562586	562697					562586	562697								
Sox2			560301 560292	560291						560291					560302				
								561506											
Stat1 (pY701)			612596	612564 562069†	562674			560113		612564 562069†	562674				612597 562070†				
Stat3 (pY705)			557814	612569 562072†	562673			560114		612569 562072†	562673				557815 562071†				
Stat4 (pY693)			558136	558249 562073†				561217		558249 562073†					558137 562074†				
Stat5 (pY694)			612598	612567 562077†	562501			560118	560117	612567 562077†	562501		560117		612599 562076†				
Stat6 (pY641)			558243	558252						558252					558242				
Syk (pY348)			560081	558529						558529									
T-Bet			561266	561268	562467			561316		561268	562467				561267				
				561265						561265					561264				
XBP-1S				562642	562820					562642	562820				562821				
Zap-70 (pY319)/Syk (pY352)			557818	557881				561459	561458	557881			561458		557817				

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

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‡ Denotes that the product is a large size (250 or 500 tests)



Hoplophrys oatesii, or soft coral crab, blurs the distinction between organisms with an exoskeleton that not only looks like the specific *Dendronephthya* coral on which it resides, but supports the attachment of the coral polyps on its carapace. Widespread in the Indo-Pacific, this individual was photographed off the coast of Komodo, Indonesia.



Contents



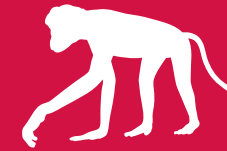
Human Antibody Reagents

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Mouse Antibody Reagents

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Intracellular Cell-Signaling and Transcription Factors	102 – 107



Non-Human Primate Antibody Reagents

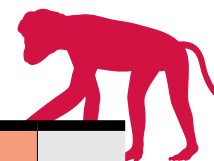
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BD Multicolor Antibody Reagents Catalog **Non-Human Primate Antibody Reagents**

Surface Markers			Emission Max											UV Laser (355 nm)		Violet Laser (405 nm)						
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	1	2	3	4	5	6	
Product Name	Clone	React	395 nm	737 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
CD2	RPA-2.10	NHP	+	+		+		-	-	-					562667 [†] 562639 [†]							
CD3	SP34	NHP	+	-		-	-	-	-	-	-	-										
	SP34-2	NHP	+	-		-	-	-	-	-	-	-	564117		562877	560352 560351	560772 560770		562994	563916	563917	563918
CD4	L200	NHP	+	-		-	+	+	-	-	-	-	564107		562842	560811	561488	563094	562843	563737	563913	563914
	M-T477	NHP	+	-		-	+	+	-	-	-	-										
CD6	M-T605	NHP	+	+			-	-	-	-												
CD8	RPA-T8	NHP													562429 [†] 562428 [†]	561426	560775 560774					
	SK1	NHP															561618					
CD9	M-L13	NHP	+	+			+	+	+		+	+				561326						
CD10	HI10a	NHP	-		-	+	-	-	-		+											
CD11a (LFA-1)	HI111	NHP	+	+		+	+	+		-	-				563937 563936					563934	563935	
CD11b/Mac-1 (CR3)	ICRF44	NHP	+	+	+	+	+	+		-	-		563840 563839		562632	560481 560480						
CD11c (ITGAX, CD11C integrin α^x chain)	S-HCL-3	NHP	+	+	+	+	+	+		-	-											
CD14	M5E2	NHP	-	-		-	+	+									561390	561392 561391				
CD16	3G8	NHP	+	-	+	+	+	+	-	-							561246	561393 561394				
CD18 (Integrin $\beta 2$ chain, CR3/CR4)	6.7	NHP	+	+	+	+	+	+	+	-	-											
CD20	2H7	NHP	+	+	-	-	-	-	-	-	-	-										

Many of our anti-human antibodies cross-react with NHP. Please check the clone-specific information on bdbiosciences.com for specific cross-reactivity information.

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin
	1		2	3		4			5	1	2	3	4	1		2	3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD2		556608		561760 [†] 555327	562319 [†] 562300 [†]	555328		560643		561760 [†] 555327	561319 [†] 562300 [†]	555328		560642					555325
CD3		556611		556612						556612									
			557705	552127	562406		552851	552852	557749	552127	562406		557749	557597		561805 557917	557757		
CD4		550628		550630	562402		550631	552838	560644	550630	562402		560644	551980		560836		560837	
			556615		556616					556616									
CD6		555357		555358						555358									
CD8		557085	557704	557086	562311 [†] 562282	561159 [†] 555368		560662	557750	557086	562311 [†] 562282 [†]	561951 [†] 555368	557750	561421	557708	561453	557760		555365
CD9		341646* 555371		341647* 555372				341649* 561329		341647* 555372				341648*					
CD10		340925*		557143		561676 [†] 555376			341092*	557143		561676 [†] 555376	341092*	340923*					
CD11a (LFA-1)		555383		550851		551131			561387	550851			561387	550852					
CD11b/Mac-1 (CR3)			561687 [†] 557701	557321	562399	561686 [†] 555389			561685 [†] 557743	557321	562399	561686 [†] 555389	561685 [†] 557743	561015 550019		557918	560914 557754		555387
CD11c (ITGAX, CD11C integrin α ^x chain)				347637*						347637*				340544*					
CD14		557153	561706 [†] 557700	557154				561116 550787	561385	557154			561385	561383		561029 557923		561384	
CD16		556618		556619	562320 [†] 562293 [†]	561725 [†] 555408		560717	560716	556619	562320 [†] 562293 [†]	561725 [†] 555408 [†]	560716	561248	561724 [†] 557710	557920	561726 [†] 557758	560715	554405
CD18 (Integrin β2 chain, CR3/CR4)		557156		555924		557528				555924		557528		551060					
CD20		556632		556633	562550	561761 [†] 555624		560736	560735	556633	562550	561761 [†] 555624	560735	560900 559776		560631		560853	

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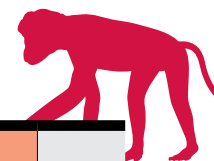
[‡] Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Non-Human Primate** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)		Violet Laser (405 nm)							
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	1		2		3	4	5	6
Product Name	Clone	React	395 nm	737 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
CD21 (CR2)	B-ly4	NHP	+	+	+	-	-	-	-	-	-	+	+				561395						
CD25 (IL-2 receptor α chain)	M-A251	NHP	+	+	-	+	+	-	-	-	-	-	-			562443† 562442†	560356 560355						
CD27	M-T271	NHP	+	+	-	+	-	-	-	-	-	-	-			561408	561223 561222						
CD28	CD28.2	NHP	+	-	-	-	-	-	-	-	-	-	-			562613	561397						
CD29	MAR4	NHP	+	+	+	+	+	+	+		+	+	+										
CD30 (Ki-1)	BerH8	NHP	+	+		+	+	-	-	-	+	-	+										
CD31 (PECAM-1)	WM59	NHP	+	+		+	+	+	+	-	+												
CD32 (FcγRII)	FL18.26	NHP																					
CD34	563	NHP	-	-	-	-	-	-	-	-	+		+										
CD35 (CR1)	E11	NHP	+	+	+	-	+	+	-	+													
CD39 (ENTPD1, NTPDase)	TÜ66	NHP	+	+	+	+	+		-		+	+											
CD40	5C3	NHP	-	+	+	-	+	-		-	+	+	+										
CD41a	HIP8	NHP														561425							
CD41b	HIP2	NHP																					
CD42a	ALMA.16	NHP	-	-	-	-	-	-	+	-	-	-	+										
CD45	D058-1283	NHP	+	+	+	+	+	+					+	564099					564098				563861
CD45 (Pan leucocyte)	D058-1283	NHP														561291	561489	563530					
CD45RA	5H9	NHP	+	+	+	+	+	-	-	-	-	-	+			561220							
CD47 (IAP)	B6H12	NHP	+	+		+	+	+	+	+	+	+											

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin
	1			2	3	4			5	1	2	3	4	1		2	3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD21 (CR2)		561372		561768 555422		551064			561374	561768 [†] 555422		551064	561374	561357					
CD25 (IL-2 receptor α chain)		555431		557138	562403 [†]	555433		560503	561405	557138	562403 [†]	555433	561405	561399		561398	561782 [†] 557753	561402	
CD27		557329		557330	562324 [†] 562297 [†]			560612	560609	557330	562324 [†] 562297 [†]		560609	561400		560611		560223 560222	
CD28		556621		556622	562323 [†] 562296 [†]	561791 [†] 555730		560685	560684	556622	562323 [†] 562296 [†]	561791 [†] 555730	560684	560683				561368 [†]	555727
CD29				557332		559882				557332		559882		561794 [†] 559883					
CD30 (Ki-1)		555829		550041						550041									555828
CD31 (PECAM-1)		557508		560983 555446						560983 555446									
CD32 (FcγRII)		555448		550586						550586				559769					
CD34				550619	562449					550619	562449			561209					
CD35 (CR1)		555452		559872						559872									
CD39 (ENTPD1, NTPDase)				555464						555464				560239					
CD40		556624		558835		555590			561215	558835		555590	561215	561848 [†] 555591		561208		561211	
CD41a		557296		557297		559768		340931	561424	557297		559768	561424	561852 [†] 559777				561422	
CD41b		555469																	
CD42a		558818		558819						558819									
CD45																			
CD45 (Pan leucocyte)		557803		552833	562394		558411		561294	552833	562394		561294	561290		561288	558219		
CD45RA		556626		556627		552888			561216	556627		552888	561216	561210				561212	
CD47 (IAP)		556045		556046					561261	556046					561249				

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[†] Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

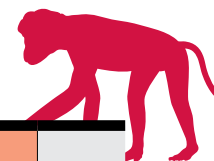
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BD Multicolor Antibody Reagents Catalog **Non-Human Primate** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)		Violet Laser (405 nm)								
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	1	2	3	4	5	6			
Product Name	Clone	React	395 nm	737 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786		
CD49b (Integrin α_2 chain)	12F1	NHP	+	+		+	+	-	+	-	+	+			564119								564120	
	AK-7	NHP	+	+		+	+	-	+	-	+	+												
CD49d (Integrin α_4 chain)	9F10	NHP	+	+	+	+	+	-	-	-	+													
CD56	MY31	NHP	+			+																		
	B159	NHP	+			+										560361	560360							
CD58 (LFA-3)	1C3	NHP	+	+	+	+	+	+		+	+	+												
CD59	p282 (H19)	NHP	+			+	+	+		+														
CD61 (Integrin β_3)	VI-PL2	NHP					+		+		+													
CD62P (P-selectin)	AC1.2	NHP								+		+												
CD63	H5C6	NHP	+	+	-	+	+	+	+		+													
CD64	10.1	NHP	-	-	+	-	+	+	-	-	-	+			561202									
CD69	FN50	NHP	+	+		+	+	+	+						562883	560740								
CD70	Ki-24	NHP	+	+	-	-	-	-	-	-	-	-												
CD79a (Ig, mb-1)	HM47	NHP	-	+		-	-	-	-	-	-	-			562852									
CD80 (B7-1)	L307.4	NHP	+	+	+	-	+	-	-	-	-	-			560444	560442								
CD81 (TAPA-1)	JS-81	NHP	+	+	+	+	+		-	-	+	+												

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin
	1			2	3	4			5	1	2	3	4	1		2	3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD49b (Integrin α ₂ chain)				555669						555669	564121				564118				
		555498																	
CD49d (Integrin α ₄ chain)		560840		556635		559880				556635		559880		561892† 559881					
				556647						556647									
CD56			561905† 557699	561903† 555516	562328† 562289†	561904† 555517		560842	560916 557747	561903† 555516	562328† 562289†	561904† 555517	560916 557747	555518	557711	561902† 557919		555515	
CD58 (LFA-3)		561907† 555920		555921		551399				555921		551399							
CD59		560954 555763		557141						557141									
CD61 (Integrin β ₃)		557291		561912† 555754						561912† 555754									
CD62P (P-selectin)		550866		550561						550561									
CD63		550759		557305						557305									
CD64		555527		561926† 558592				561194	561191	561926† 558592			561191	561189		561188		561190	
																		555526	
CD69		557049		557050	562645	555532		560738	560712	557050	562645	555532	560712	560711		560739	560912 557756	560737	
CD70		555834		561935† 555835	562484					561935† 555835	562484								
CD79a (Ig, mb-1)				561942† 340579* 555935				341643*		561942† 340579* 555935				340578* 551134					
CD80 (B7-1)		560926 557226		560295 557227		559370			561135	560295 557227		559370	561135			561133		561134	
																		557225	
CD81 (TAPA-1)		561956† 551108		561957† 555676						561957† 555676				561958† 551112					

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

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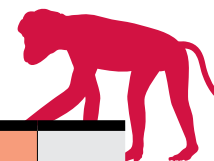
‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Non-Human Primate** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)		Violet Laser (405 nm)							
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	1	2	3	4	5	6		
Product Name	Clone	React	395 nm	737 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
CD83	HB15e	NHP	-	+	+	-	-	-	-	-	-	-			562630								
CD86 (B7-2)	2331 (FUN-1)	NHP	+	+	+	-	+	-	-	-	+	-			562433 [†] 562432 [†]	560359 560357							
CD89	A59	NHP	-	-		-	+	+	-	-	-	-											
CD90 (Thy-1)	5E10	NHP	-	-		-	-	-	-	-	+	-	+			562556 [†]		563070					
CD95 (Fas/APO-1)	DX2	NHP	+	+		+	+	+	-	-					562648	561635							
CD98	UM7F8	NHP	+	+		+	+	+	+	-	+	+											
CD122 (IL-2 receptor β chain)	Mikβ2	NHP	+	+		+	+	-	-	-	-												
CD123 (IL-3 receptor α chain)	7G3	NHP	-	-	+		-	+			+		+										
CD130 (gp130)	AM64	NHP	+	+	-	+	+	+	-		+		+										
CD132 (common γ chain)	AG184	NHP	+	+		+	+	+	-														
CD137 (4-1BB)	4B4-1	NHP	+	+		-	+	-				+											
CD141 (Thrombomodulin)	1A4	NHP	-	-		-	+	+	+		+	+	-									563155	
CD150	A12	NHP	+	+	+	-	-	-	-	-	+												
CD151 (PETA-3)	14A2.H1	NHP	-	-	-		-	-	+		+	+	+										
CD152 (CTLA-4)	BNI3	NHP	+	+	-	-	-	-	-														
CD154 (CD40 ligand)	TRAP1	NHP	+	-	-	-	-			-	-												
CD162 (PSGL-1)	KPL-1	NHP	+	+			+	+	-	-	-		+										
CD166	3A6	NHP	+	+			+	-			+	+											

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin	
	1		2	3	4			5	1	2	3	4	1		2	3				
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm		
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
CD83		560553		550634	562631	551058			561132	550634	562631	551058	561132	561960† 551073						
CD86 (B7-2)		557343		557344	562390†	555659		561129	561128	557344	562390†	555569	561128	560956 555660		561124				555656
CD89				555686						555686										
CD90 (Thy-1)		561969† 555595		561970† 555596		561972† 555597		561557	561558	561970† 555596		561972† 555597	561558	561971† 559869						555594
CD95 (Fas/APO-1)		556640		556641	562395	561977† 559773			561636	556641	562395	561977† 559773	561636	561978† 558814						555672
CD98		556076		556077						556077										
CD122 (IL-2 receptor β chain)				557323						557323										
CD123 (IL-3 receptor α chain)		561694† 558663		561058 554529	562391†			560904 558714	560826	561058 554529	562391†		560826	560087						554528
CD130 (gp130)				555757						555757										
CD132 (common γ chain)				561699† 555900						561699† 555900										
CD137 (4-1BB)				561701† 555956		551137				561701† 555956		551137		561702† 550890						
CD141 (Thrombomodulin)				559781						559781										
CD150				559592						559592										
CD151 (PETA-3)				556057						556057										
CD152 (CTLA-4)				557301						557301				560938 555855						
CD154 (CD40 ligand)		558988		557299		561722† 555701				557299		561722† 555701		560955 555702						
CD162 (PSGL-1)				556055						556055										
CD166				560903 559263				562131		560903 559263										

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

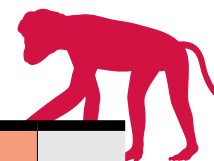
‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Non-Human Primate** Antibody Reagents

Surface Markers			Emission Max										UV Laser (355 nm)		Violet Laser (405 nm)							
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1 395 nm	2 737 nm	1 421 nm	2 448 nm	3 500 nm	4 510 nm	5 602 nm	6 650 nm	7 711 nm
Product Name	Clone	React											BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
CD183 (CXCR3)	1C6/CXCR3	NHP	+			+		+														563156
CD184 (CXCR4, fusin)	12G5	NHP	+	+	+	-	+	-			+				562448 [†]							
CD195 (CCR5)	3A9	NHP	+	-		-	+	+	-	-												
CD196 (CCR6)	11A9	NHP	+	+	+	-	-	-														
Annexin V	-	-														560506	561501					
HLA-A,B,C	G46-2.6	NHP														561346						
HLA-DQ	TÜ169	NHP																				
HLA-DR	TÜ36	NHP																				
	L243 (G46-6)	NHP													642276* 561359	561225 561224						
HLA-DR, DP, DQ	TÜ39	NHP													562008 [†] 555558							
Streptavidin	-	-											564179		563259	560797	561419	563261	563260	563855	563262	563858

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin
	1			2	3	4			5	1	2	3	4	1		2	3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD183 (CXCR3)			561730 [†] 558047	550633	562451 [†]	561731 [†] 551128		560832	560831	550633	562451 [†]	561731 [†] 551128	560831	561324		561320			
CD184 (CXCR4, fusin)				557145		560937 555975		560670	560669	557145		560937 555975	560669	560936 555976					
CD195 (CCR5)				550632				560635		550632				560748					
CD196 (CCR6)				551773				560621	560620	551773			560620	560619	561751 [†] 560466				
Annexin V		560931 566420 556419		560930 556422 556421				561431		560930 556422 556421				561012 550475 550474				556418 556417	
HLA-A,B,C		557348		557349		555554			561349	557349		555554	561349	555555					
HLA-DQ		555563																	
HLA-DR		555560		555561		551375				555561		551375		559868					
		560944 555811		560943 555812	562331 [†] 562304 [†]	562007 [†] 555813	347364*	560652	560651	560943 555812	562331 [†] 562304 [†]	562007 [†] 555813	560651	560744		560743	335796*	641393* 561358	
HLA-DR, DP, DQ		550853																	
Streptavidin	564453	554060		554061 349023*	562318 [†] 562284 [†]	554062	554064 340130*	551419	557598	554061 349023*	562318 [†] 562284 [†]	554062	557598	554067 349024*			554063		

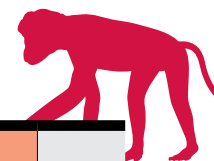
Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

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[‡] Denotes that the product is a large size (250 or 500 tests)

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Intracellular Cytokines and Chemokines	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin	
	1			2	3		4			5	1	2	3	4	1		2	3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm		
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
IFN-γ		552882		557074				560742	560741	557074			560741	551385						
		552887		562016 [†] 554701 559327	562392 [†]		560704		560924 557643	562016 [†] 554701 559327	562392 [†]		560924 557643	562017 [†] 554702	557729	561024 557995				
IL-2		559361		560709				560708	560707	560709			560707	551383						
IL-4			557990	551774				561234	560672	551774			560672	561233						
IL-6		554544		551473						551473										
MCP-1 (monocyte chemoattractant protein 1)				557066						557066										
MIP-1α (macrophage inflammatory protein-1α)				554730						554730				551533						
TNF		562082 [†] 554512	557722	562083 [†] 554513 559321				560679	560923 557647	562083 [†] 554513 559321			560923 557647	551384		561023 557996				

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BD Multicolor Antibody Reagents Catalog **Non-Human Primate** Antibody Reagents

Intracellular Cell-Signaling and Transcription Factors			Emission Max										UV Laser (355 nm)		Violet Laser (405 nm)							
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1 395 nm	2 737 nm	1 421 nm 448 nm		2 500 nm 510 nm		3 602 nm	4 650 nm	5 711 nm
Product Name	Clone	React											BD Horizon BUV395	BD Horizon BUV737	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
FoxP3 (Scurfin, IPEX, JM2)	259D/C7	NHP	+													560460 560459						
p53	DO-7	NHP																				
Rb (a.a. 332-344)	G3-245	NHP																				

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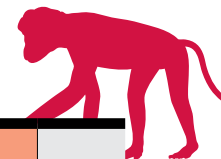
Clone

Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

+ Positive[§] – Negative

[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

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Intracellular Cell-Signaling and Transcription Factors	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin
	1			2	3	4			5	1	2	3	4	1		2	3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
FoxP3 (Scurfin, IPEX, JM2)		560047		560082 560046	562421 [†]					560082 560046	562421 [†]								
p53		554298		556534						556534									
Rb (a.a. 332-344)		556538																	

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[‡] Denotes that the product is a large size (250 or 500 tests)

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