



Antibodies to Canine CD Markers

As a leading supplier of the most cited antibodies for canine immunology research, we provide a comprehensive selection of antibodies raised directly against canine CD marker antigens as shown in the table below. Dual and triple color reagents for rapid T lymphocyte profiling by flow cytometry are provided in ready-to-use kit format for improved convenience.

Canine CD Marker Antibodies

Specificity	Clone	Applications	Catalog Number	Format	T Cell	B Cell	Dendritic Cell	NK Cell	Monocyte/Macrophage
CD3	CA17.2A12	FC, IF/ICC, IHC-F, IP, IHC-P	MCA1774GA	Pur., FITC	✓				
CD3/CD4	CA17.2A12, YKIX302.9	FC	DC046	FITC/RPE	✓				
CD3/CD8	CA17.2A12, YCATE55.9	FC	DC047	FITC/RPE	✓				
CD3/CD4/CD8	CA17.2A12, YKIX302.9, YCATE55.9	FC	TC014	FITC/RPE/A647	✓				
CD4	YKIX302.9	FC, IHC-F	MCA1038GA	Pur., A488, A647, APC, FITC, PB, RPE, RPE-CY7	✓				
CD4	CA13.1E4	FC, IHC-F, IP	MCA1998S	S/N	✓				
CD4/CD8	YKIX302.9, YCATE55.9	FC	DC048	FITC/RPE	✓				
CD5	YKIX322.3	FC, IHC-F, IP	MCA1037GA	Pur., A488, A647, APC, FITC, RPE	✓			✓	
CD8	YCATE55.9	FC, IF/ICC, IHC-F	MCA1039GA	Pur., A647, A700, FITC, PB, RPE	✓				
CD8 Alpha	CA9.JD3	FC, IHC-F, IP	MCA1999S	S/N	✓				
CD8 Beta	CA15.4G2	FC, IHC-F, IP	MCA1775S	S/N	✓				
CD11/CD18	YKIX490.6.4	FC, IP	MCA1040F	FITC	✓	✓	✓	✓	✓
CD11b	CA16.3E10	FC, IHC-F, IP	MCA1777S	S/N				✓	✓
CD11c	CA11.6A1	FC, IHC-F, IP	MCA1778S	S/N			✓		✓
CD11d	CA11.8H2	FC, IHC-F, IP	MCA1779GA	Pur., A647	✓				✓
CD18	CA1.4E9	FC, IF/ICC, IHC-F, IP	MCA1780GA	Pur., A647	✓	✓	✓	✓	✓
CD21	CA2.1D6	FC, IHC-F, IP	MCA1781R	Pur., A647, RPE		✓			
CD25	P4A10	FC, WB	MCA5916GA	Pur., FITC, RPE	✓				
CD34	1H6	FC, WB	MCA2411GA	Pur., A647, B., FITC, RPE					

Canine and Cross-Reactive Canine CD Marker Antibodies

Canine CD Marker Antibodies

Specificity	Clone	Applications	Catalog Number	Format	T Cell	B Cell	Dendritic Cell	NK Cell	Monocyte/Macrophage
CD44	YKIX337.8.7	FC, IHC-F	MCA1041GA	Pur., A488	✓	✓			✓
CD45	YKIX716.13	FC, IP	MCA1042GA	Pur., A488, A647, APC, B., FITC, RPE	✓	✓			✓
CD45	CA12.10C12	FC, IHC-F, IHC-P	MCA2035S	S/N	✓	✓			✓
CD45R	YKIX753.22.2	CT, FC, IHC-F, IP	MCA1043G	Pur., A488, A647, FITC, RPE	✓	✓			✓
CD45RA	CA4.1D3	FC, IHC-F	MCA2036S	S/N	✓	✓			✓
CD90	YKIX337.217	FC, IP	MCA1036G	Pur.	✓				✓
CD107b	AC17	FC, IF/ICC, IP, WB	MCA2558	Pur., A647, FITC, RPE					✓

Cross-Reactive Canine CD Marker Antibodies

To extend the possible research of the dog immune system, Bio-Rad's antibodies to native canine antigens are supplemented by CD marker antibodies that have been qualified as canine cross-reactive*.

Specificity	Clone	Applications	Catalog Number	Format	T Cell	B Cell	Dendritic Cell	NK Cell	Monocyte/Macrophage
CD1a	NA1/34-HLK	F, IHC-F	MCA80GA	Pur., A488, A647, B., FITC, RPE					
CD9	MM2/57	FC, IHC-F, WB	MCA469GA	Pur., A647, B., FITC, RPE	✓	✓			✓
CD14	TÜK4	E, FC, FN, WB	MCA1568GA	Pur., A647, A700, B., FITC, LE, PB, RPE-A647, RPE-A750, RPE			✓		✓
CD14	61D3	FC	MCA2804C	RPE-Cy5, RPE-Cy5.5			✓		✓
CD32	AT10	FC, FN, IHC-F, IP	MCA1075	Pur., A647, B., FITC, LE, RPE		✓			✓
CD40	LOB7/6	FC, IHC-F, IHC-P, IP	MCA1590	Pur., A488, A647, FITC, LE, RPE		✓			✓
CD41/CD61	CO.35E4	E, FC, IP	MCA1095GA	Pur.					
CD42a	GRP-P	FC, IP	MCA1227	Pur., A 647, FITC, RPE					
CD47	BRIC126	FC, FN, IHC-F, IP, WB	MCA911	Pur.	✓	✓	✓	✓	✓
CD49d	Bu49	FC, IHC-F, IP	MCA2503	Pur., FITC	✓	✓			✓
CD49e	JBS5	FC, FN, IHC-F, IP	MCA1187	Pur.	✓	✓	✓		✓
CD49f	NKI-GoH3	FC, IHC-F, IP	MCA699GA	Pur., A647, B., FITC, LE, RPE	✓				✓

Canine and Cross-Reactive Canine CD Marker Antibodies

Specificity	Clone	Applications	Catalog Number	Format	T Cell	B Cell	Dendritic Cell	NK Cell	Monocyte/Macrophage
CD54	84H10	E, FC, FN, IHC-F, IP	MCA532	Pur., FITC	✓	✓		✓	✓
CD61	JM2E5	FC, IHC-F, IHC-P, IP, WB	MCA2263GA	Pur., FITC					
CD61	PM6/13	FC, IHC-F, IP, WB	MCA728GA	Pur., B.					
CD62L	FMC46	FC, IHC-F, IP	MCA1076GA	Pur., FITC, RPE	✓	✓	✓	✓	✓
CD79a	HM57	FC, IHC-F, P, WB	MCA2538GA	Pur., A647, RPE		✓			
CD79b	AT107-2	E, FC, IP, WB	MCA2209	Pur., FITC		✓			
CD143	3C5	E, IHC-P, WB	MCA2054	S/N	✓				✓
CD143	2E2	E, IHC-P, WB	MCA2056	S/N	✓				✓
CD230	5121	E, IHC-P, WB	OBT0873	Pur.	✓	✓	✓	✓	✓
CD282	TL2.1	FC, FN, IHC-F, IP	MCA2151GA	Pur.			✓		✓
CD283	TLR3.7	FC, IP	MCA2267GA	Pur.			✓		
CD284	HTA125	FC, FN, IP, WB	MCA2061GA	Pur., A488, A647, B., FITC, LE, RPE	✓		✓		✓
CD289	5G5	FC, IHC-F, P, WB	MCA2265GA	Pur.	✓	✓	✓	✓	✓
CD292	1564	E, FN, WB	HCA004	Pur.					

Abbreviations: Axxx = Alexa Fluor®; B., biotin; CT, cytotoxic assay; E, ELISA; FC, flow cytometry; FN, functional assay; IF/ICC, immunofluorescence/immunocytochemistry; IHC-F, immunohistochemistry – frozen; IHC-P, immunohistochemistry – paraffin; IP, immunoprecipitation; LE, low endotoxin; PB, Pacific Blue™; Pres. Fr., Preservative Free; Pur., purified; S/N, supernatant; WB, western blotting.

* This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators.

