



Veterinary Cytokines: Antibodies and Recombinant Proteins

As a leading supplier of top publication cited veterinary immunology reagents, Bio-Rad offers a key selection of antibodies raised directly against bovine, porcine, and canine cytokines. This antibody range is enhanced by recombinant cytokines to enable comprehensive ELISA and western blot experiments. Our antibodies support in-depth research into the adaptive and innate immune systems of veterinary species; continuing our tradition of manufacturing validated reagents to empower research into veterinary immune functions, such as Th1 and Th2 response profiling and investigating correlates of protection in vaccine development.

Bovine Cytokine Antibodies

Specificity	Clone	Applications	Catalog Number	Format	Host	Isotypes	Target Species	Cross-reactive Species
CXCL9		E, WB	AHP2369	Pur., B	Rabbit	Poly. IgG	Bovine	
GM-CSF	CC305	E, WB	MCA1828	Pur.	Mouse	IgG1	Bovine	Sheep
IFN Alpha-A		E, WB	AHP2370	Pur., B	Goat	Poly. IgG	Bovine	
IFN Beta		E, WB	AHP2371	Pur., B	Goat	Poly. IgG	Bovine	
IFN Gamma	CC302	E, FC	MCA1783	Pur., A488, A647, B, FITC, RPE	Mouse	IgG1	Bovine	Dog, dolphin, ferret, fin whale, goat, horse, human, mink, mustelid, pig, rabbit, sheep
IFN Gamma	7B6	FC, IHC-P, WB	MCA1964	Pur.	Mouse	IgG1	Bovine	Fallow deer, sheep
IFN Gamma	CC330	E, ES, FC	MCA2112	Pur.	Mouse	IgG1	Bovine	Goat, sheep
IFN Gamma	5D10	E, ES	MCA2689GA	Pur.	Mouse	IgG1	Bovine	
IFN Gamma		E	MCA5638KZZ	Kit	N/A		Bovine	
IGF-I		E	AHP2372	Pur., B	Goat	Poly. IgG	Bovine	Dog, pig
IL-1 Alpha		E, WB	AHP2373	Pur., B	Rabbit	Poly. IgG	Bovine	Horse
IL-1 Beta		E	AHP851B	B, Pres. Fr.	Rabbit	Poly. IgG	Bovine	
IL-1 Beta	1D4	E, FC, IHC-F, WB	MCA1658	Pur.	Mouse	IgG1	Sheep	Bovine, goat, horse
IL-1F5		E, WB	AHP2377	Pur., B	Rabbit	Poly. IgG	Bovine	
IL-1RA		E, WB	AHP2378	Pur., B	Goat	Poly. IgG	Bovine	
IL-2	AbD21766	E, ES, FC	HCA267	Pur., A647	HuCAL	HuCAL Fab monovalent	Bovine	
IL-2	AbD22297	E, ES	HCA268	Pur., HRP	HuCAL	HuCAL Fab bivalent	Bovine	

Bovine Cytokine Antibodies and Standards

Bovine Cytokine Antibodies Continued

Specificity	Clone	Applications	Catalog Number	Format	Host	Isotypes	Target Species	Cross-reactive Species
IL-4	CC303	E, FC	MCA1820	Pur., FITC, RPE	Mouse	IgG2	Bovine	Dog, dolphin, fin whale, goat, horse, mink, mustelid, pig, sheep
IL-4	CC313	E	MCA2371	Pur.	Mouse	IgG2a	Bovine	Goat, sheep
IL-4	CC314	E	MCA2372B	B	Mouse	IgG2b	Bovine	Goat, sheep
IL-6		E, WB	AHP2380	Pur., B	Chicken	Poly. IgG	Bovine	Sheep
IL-6		E, WB	AHP424	Serum	Rabbit	Poly. IgG	Sheep	Bovine
IL-6	CC310	E	MCA2109	Pur.	Mouse	IgG2b	Bovine	
IL-8		E	AHP425	Serum	Rabbit	Poly. IgG	Sheep	Bovine, goat
IL-8	8M6	E, FC, FN, WB	MCA1660	Pur.	Mouse	IgG2a	Sheep	Bovine, cat, dog, ferret, mink, mustelid, pig, rabbit
IL-10	CC318	E, ES, FC	MCA2110	Pur.	Mouse	IgG2b	Bovine	Horse, sheep
IL-10	CC320	E, FC, FN	MCA2111B	B, LE	Mouse	IgG1	Bovine	Goat, horse, sheep
IL-12/IL-23	CC301	E, ES, FC, FN, WB	MCA1782EL	LE	Mouse	IgG2a	Bovine	African buffalo, human, sheep
IL-12/IL-23	CC326	E, FC, FN	MCA2173B	B, Pres. Fr.	Mouse	IgG2b	Bovine	Human, sheep
IL-13		E, WB	AHP2374	Pur., B	Rabbit	Poly. IgG	Bovine	Pig
IL-15		E, WB	AHP2375	Pur., B	Goat	Poly. IgG	Bovine	
IL-17A		E, WB	AHP2376	Pur., B	Rabbit	Poly. IgG	Bovine	Dog, dolphin, horse, mouse, pig, sheep
IL-21		E, WB	AHP2379	Pur., B	Rabbit	Poly. IgG	Bovine	Sheep
IP-10		E, WB	AHP2368	Pur., B	Rabbit	Poly. IgG	Bovine	Cat, horse, mouse, pig, sheep
LIF		E, WB	AHP2381	Pur., B	Chicken	Poly. IgG	Bovine	
MCP-1		E, WB	AHP2366	Pur., B	Rabbit	Poly. IgG	Bovine	Horse, pig
MIP-1 Alpha		E, WB	AHP2996	Pur., B	Rabbit	Poly. IgG	Bovine	
TNF Alpha		E, WB	AHP2383	Pur., B	Rabbit	Poly. IgG	Bovine	
TNF Alpha		E, WB	AHP852B	B, Pres. Fr.	Rabbit	Poly. IgG	Bovine	
TNF Alpha	CC327	E, FC	MCA2334	Pur., A488	Mouse	IgG2b	Bovine	Fallow deer
TNF Alpha	CC328	E	MCA2335B	B	Mouse	IgG2a	Bovine	Sheep
TNF Alpha	VPM61	FC, IHC-F, WB	MCA905GA	Pur.	Mouse	IgG2a	Sheep	Bovine, water buffalo
TNF Alpha	VPM62	WB	MCA906GA	Pur.	Mouse	IgG1	Sheep	Bovine
VEGF-A		E, WB	AHP2382	Pur., B	Rabbit	Poly. IgG	Bovine	Cat, dog, horse, mouse, pig, rat, sheep

Bovine Cytokine Standards

Specificity	Catalog Number	Applications
CXCL9	PBP023	E
GM-CSF	PBP011	FN
IFN Alpha A	PBP019	E, FN, WB
IFN Beta	PBP032	E, WB
IFN Gamma	PBP001	E, FN
IFN Gamma	PBP007	E, FN

Bovine Cytokine Standards and Porcine Cytokine Antibodies

Bovine Cytokine Standards Continued

Specificity	Catalog Number	Applications
IGF-I	PBP034	E, WB
IL-1 Alpha	PBP031	E, FN
IL-1F5	PBP029	E, WB
IL-1RA	PBP033	E, WB
IL-4	PBP006	E, FN
IL-6	PBP021	E, FN, WB
IL-10	PBP016A	E
IL-13	PBP018	E
IL-15	PBP020	E, WB
IL-17A	PBP025	E
IL-21	PBP028	E, WB
IP-10	PBP030	E, WB
LIF	PBP036	E, WB
MCP-1	PBP024	E
MIP-1 Alpha	PBP038	E, WB
TNF Alpha	PBP005	E, FN
TNF Alpha	PBP035	E
VEGF-A	PBP027	E

Porcine Cytokine Antibodies

Specificity	Clone	Applications	Catalog Number	Format	Host	Isotypes	Target Species	Cross-reactive Species
CCL3L1		E, WB	AHP2385	Pur., B	Rabbit	Poly. IgG	Pig	
CXCL9		E	AHP2387	Pur., B	Goat	Poly. IgG	Pig	
Erythropoietin		E, WB	AHP2389	Pur., B	Rabbit	Poly. IgG	Pig	
IFN Alpha 1	G16	E, FN, WB	MCA1935Z	Pres. Fr.	Mouse	IgG1	Pig	Human
IFN Gamma		E, WB	AHP2390	Pur., B	Rabbit	Poly. IgG	Pig	
IFN Gamma	6477	E	HCA090	Pur.	HuCAL	HuCAL Fab bivalent	Pig	
IFN Gamma	CC302	E, FC	MCA1783	Pur., A488, A647, B, FITC, RPE	Mouse	IgG1	Bovine	Dog, dolphin, ferret, fin whale, goat, horse, human, mink, mustelid, pig, rabbit, sheep
IGF-I		E	AHP2372	Pur., B	Goat	Poly. IgG	Bovine	Dog, pig
IL-1 Beta	DF8	WB	MCA2631Z	Pres. Fr.	Mouse	IgG1	Pig	
IL-4	CC303	E, FC	MCA1820	Pur., FITC, RPE	Mouse	IgG2	Bovine	Dog, dolphin, fin whale, goat, horse, mink, mustelid, pig, sheep
IL-6		E, WB	AHP2391	Pur., B	Rabbit	Poly. IgG	Pig	
IL-8		E, WB	AHP2392	Pur., B	Rabbit	Poly. IgG	Pig	
IL-8		WB	AHP829Z	Pres. Fr.	Rabbit	Poly. IgG	Pig	

Porcine Cytokine Antibodies and Standards

Porcine Cytokine Antibodies Continued

Specificity	Clone	Applications	Catalog Number	Format	Host	Isotypes	Target Species	Cross-reactive Species
IL-8	8M6	E, FC, FN, WB	MCA1660	Pur.	Mouse	IgG2a	Sheep	Bovine, cat, dog, ferret, mink, mustelid, pig, rabbit
IL-10		E, WB	AHP2393	Pur., B	Rabbit	Poly. IgG	Pig	
IL-12p40	I-1A4	E, IHC-F	MCA1613	Pur.	Mouse	IgG1	Human	Pig
IL-13		E	AHP2394	Pur., B	Goat	Poly. IgG	Pig	
IL-17A		E, WB	AHP2395	Pur., B	Rabbit	Poly. IgG	Pig	Bovine, horse, human, rat, sheep
IL-18	7-G-8	E, WB	MCA2093	Pur.	Mouse	IgG1	Pig	
IL-18	5-C-5	E, WB	MCA2094	Pur., B	Mouse	IgG1	Pig	
IL-22		E, WB	AHP2396	Pur., B	Rabbit	Poly. IgG	Pig	
IP-10		E, WB	AHP2368	Pur., B	Rabbit	Poly. IgG	Bovine	Cat, horse, mouse, pig, sheep
IP-10		E, WB	AHP2388	Pur., B	Goat	Poly. IgG	Pig	
MCP-1		E, WB	AHP2366	Pur.	Rabbit	Poly. IgG	Bovine	Horse, pig
MCP-1		E, WB	AHP2384	Pur., B	Rabbit	Poly. IgG	Pig	Bovine, dog, horse
MIP-1 Beta		E	AHP2386	Pur., B	Rabbit	Poly. IgG	Pig	
TNF Alpha		E, WB	AHP2397	Pur., B	Rabbit	Poly. IgG	Pig	Bovine, cat, dog, dolphin
TNF Alpha	4F4	E, FN	MCA2395Z	Pres. Fr.	Mouse	IgG1	Pig	
TNF Alpha	6E10	E, FN, WB	MCA2360Z	Pres. Fr.	Mouse	IgG1	Pig	
VEGF-A		E	AHP2398	Pur., B	Goat	Poly. IgG	Pig	Cat, dog

Porcine Cytokine Standards

Specificity	Catalog Number	Applications
CCL3L1	PPP017	E, WB
CXCL9	PPP019	E, WB
Erythropoietin	PPP021	E, WB
GM-CSF	PPP014	E, FN
IFN Gamma	PPP022	E, WB
IL-4	PPP015	E, FN
IL-6	PPP023	E, WB
IL-8	PPP024	E, WB
IL-10	PPP025	E, WB
IL-13	PPP026	E, WB
IL-17A	PPP028	E, WB
IL-22	PPP027	E, WB
IP-10	PPP020	E, WB
MCP-1	PPP016	E, WB
MIP-1 Beta	PPP018	E, WB
TNF Alpha	PPP029	E, WB
VEGF-A	PPP030	E, WB

Canine Cytokine Antibodies and Standards

Canine Cytokine Antibodies

Specificity	Clone	Applications	Catalog Number	Format	Host	Isotypes	Target Species	Cross-reactive Species
IFN Alpha		E, WB	AHP2976	Pur., B	Rabbit	Poly. IgG	Dog	
IFN Gamma		E, WB	AHP2977	Pur., B	Rabbit	Poly. IgG	Dog	
IFN Gamma	CC302	E, FC	MCA1783	Pur., A488, A647, B, FITC, RPE	Mouse	IgG1	Bovine	Dog, dolphin, ferret, fin whale, goat, horse, human, mink, mustelid, pig, rabbit, sheep
IGF-I		E	AHP2372	Pur., B	Goat	Poly. IgG	Bovine	Dog, pig
IL-1 Beta		E, WB	AHP2980	Pur., B	Rabbit	Poly. IgG	Dog	
IL-1RA		E, WB	AHP2979	Pur., B	Goat	Poly. IgG	Dog	
IL-2		E, WB	AHP2981	Pur., B	Rabbit	Poly. IgG	Dog	
IL-4	CC303	E, FC	MCA1820	Pur., FITC, RPE	Mouse	IgG2a	Bovine	Dog, dolphin, fin whale, goat, horse, mink, mustelid, pig, sheep
IL-8	8M6	E, FC, FN, WB	MCA1660	Pur.	Mouse	IgG2a	Sheep	Bovine, cat, dog, ferret, mink, mustelid, pig, rabbit
IL-17A		E, WB	AHP2982	Pur., B	Rabbit	Poly. IgG	Dog	Human
IL-21		E, WB	AHP2978	Pur., B	Rabbit	Poly. IgG	Dog	
TNF Alpha		E, WB	AHP2975	Pur., B	Goat	Poly. IgG	Dog	Cynomolgus monkey, human

Canine Cytokine Standards

Specificity	Catalog Number	Applications
IFN Alpha	PDP009	E, WB
IFN Gamma	PDP010	E, WB
IL-1 Beta	PDP014	E, WB
IL-2	PDP015	E, WB
IL-17A	PDP016	E, WB
IL-21	PDP017	E, WB
TNF Alpha	PDP001	FN
TNF Alpha	PDP018	E, WB

Abbreviations: Axxx = Alexa Fluor; B., biotin; E, ELISA; ES, ELISpot; FC, flow cytometry; FN, functional assay; IHC-F, immunohistochemistry – frozen; IHC-P, immunohistochemistry – paraffin; LE, low endotoxin; Pres. Fr., Preservative Free; Pur., purified; WB, western blotting.

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