

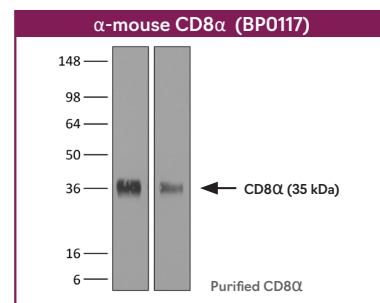
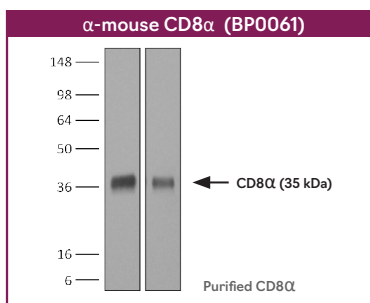
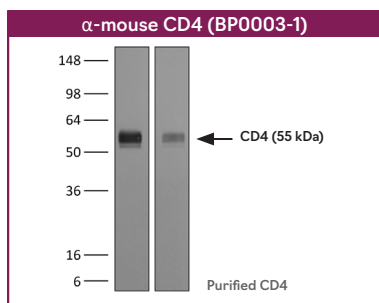
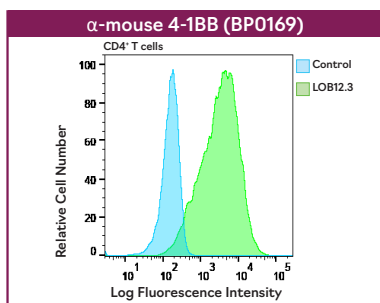
# Immunology

Antibodies for Immunology Research

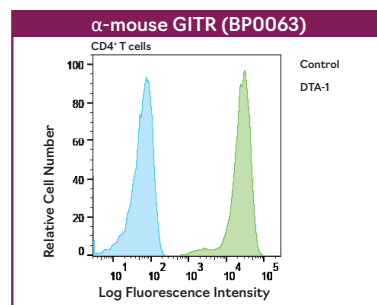
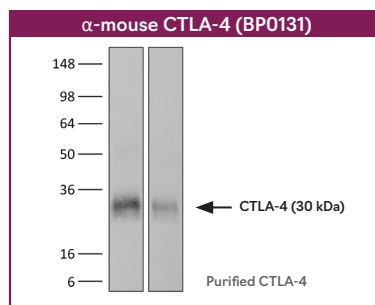
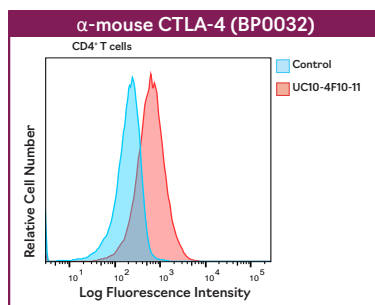
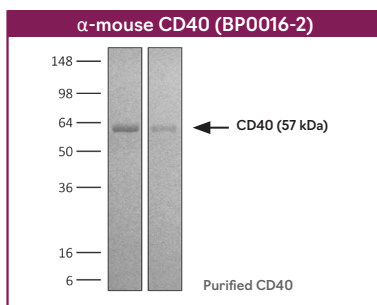
[bioxcell.com](http://bioxcell.com)



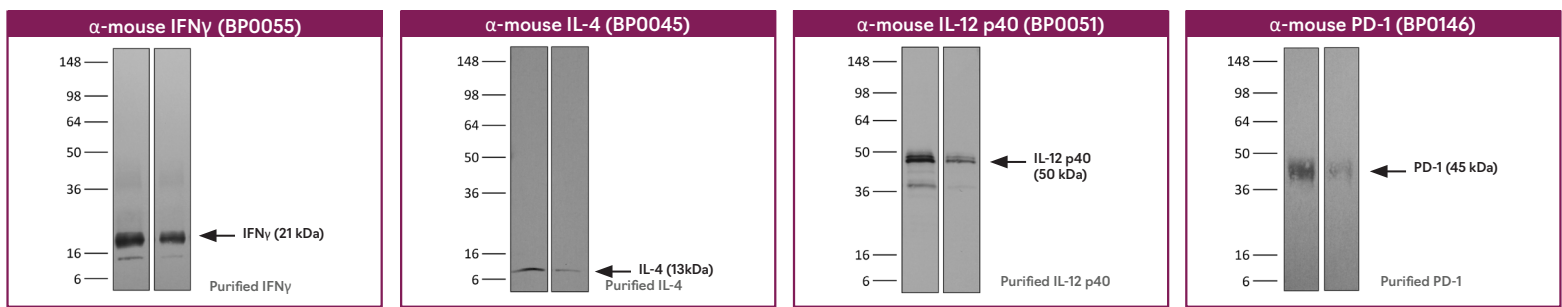
# Antibodies for Immunology Research



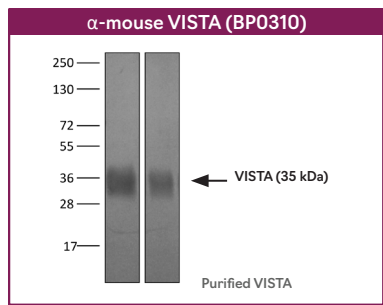
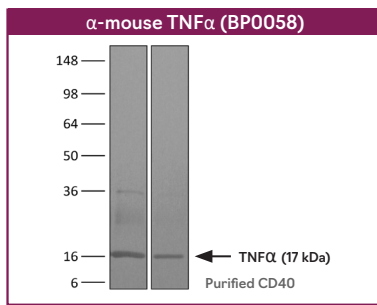
Antigen	Reactivity	Application	Clone	Catalog #	Isotype Control
2C TCR	Mouse	IF, FC	1B2	BE0069	BE0083
4-1BB (CD137)	Mouse	<i>in vivo</i> activation of 4-1BB	LOB12.3	BP0169	BP0089
4-1BB (CD137)	Mouse	<i>in vivo</i> 4-1BB stimulation, <i>in vitro</i> 4-1BB stimulation	3H3	BP0239	BP0089
4-1BB (CD137)	Mouse	<i>in vitro</i> 4-1BB blockade, FC	17B5	BE0296	BE0087
4-1BBL (CD137L)	Mouse	<i>in vivo</i> 4-1BBL blockade, , ELISA	TKS-1	BE0110	BE0089
B220	Mouse	<i>in vivo</i> B cell depletion, <i>in vitro</i> B cell negative selection	RA3.3A1/6.1	BE0067	BE0094
B7-1 (CD80)	Mouse	<i>in vivo</i> CD80 blockade, Affinity chromatography	1G10	BE0134	BE0089
BTLA (CD272)	Mouse	<i>in vivo</i> BTLA stimulation, <i>in vivo</i> BTLA blockade	6A6	BE0132	BE0091
BTLA (CD272)	Mouse	<i>in vivo</i> stimulation of BTLA, <i>in vitro</i> stimulation of BTLA, FC	PK18.6	BE0153	BE0088
BTLA (CD272)	Mouse	<i>in vivo</i> BTLA blockade, <i>in vitro</i> T cell stimulation/activation, FC	PJ196	BE0196	BE0083
BTLA (CD272)	Mouse	<i>in vivo</i> BTLA+ B cell and CD4 T cell depletion, FC	6F7	BE0304	BE0083
c-Kit (CD117)	Mouse	FC, IF, IHC	2B8	BE0280	BE0090
c-Kit (CD117)	Mouse	<i>in vivo</i> mast cell depletion, <i>in vivo</i> c-Kit+ cell depletion, <i>in vitro</i> c-Kit neutralization, IP, FC	ACK2	BE0293	BE0090
CCL2 (MCP-1)	Mouse/Human/Rat	<i>in vivo</i> CCL2 neutralization, IHC-F	2H5	BE0185	BE0091
CCR3 (CD193)	Mouse	<i>in vivo</i> eosinophil depletion	6S2-19-4	BE0316	BE0090
CD1a	Human	<i>in vitro</i> CD1a blockade, FC	OKT-6	BE0211	BE0083
CD1d (CD1.1)	Mouse	<i>in vivo</i> CD1d neutralization, , <i>in vitro</i> CD1d neutralization	19G11	BE0000	BE0088
CD1d (CD1.1)	Mouse	iNKT cell neutralization, <i>in vivo</i> CD1d blockade, FC	20H2 (HB323)	BE0179	BE0088
CD3	Human	<i>in vivo</i> T cell depletion in humanized mice, <i>in vitro</i> T cell stimulation/activation, ex vivo T cell inhibition for xenographs, FC	OKT-3	BE0001-2	BE0085
CD3	Mouse	<i>in vitro</i> T cell stimulation/activation	17A2	BE0002	BE0090
CD3	Human	<i>in vivo</i> T cell depletion in humanized mice, ex vivo T cell inhibition for xenographs, FC	UCHT1 (Leu-4) (T3)	BE0231	BE0083
CD3ε	Mouse	<i>in vivo</i> T cell depletion, <i>in vitro</i> T cell stimulation/activation, IF, FC, WB	145-2C11	BP0001-1	BP0091
CD3ε	Mouse	<i>in vitro</i> T cell negative selection, <i>in vitro</i> T cell stimulation/activation, IF	KT3	BE0261	BE0089
CD3ε F(ab')2 fragment	Mouse	<i>in vivo</i> T cell depletion	145-2C11 f(ab')2 Fragments	BE0001-1FAB	BE0091-FAB
CD4	Mouse	<i>in vivo</i> CD4+ T cell depletion, FC, WB	GK1.5	BP0003-1	BP0090
CD4	Human	<i>in vitro</i> T cell stimulation/activation, <i>in vivo</i> CD4+ T cell depletion in humanized mice, FC, IP	OKT-4	BE0003-2	BE0086
CD4	Mouse	<i>in vivo</i> blockade of CD4+ T-cell responses, WB	YTS 177	BE0003-3	BE0089
CD4	Mouse	<i>in vivo</i> CD4+ T cell depletion	YTS 191	BE0119	BE0090
CD4	Human	<i>in vitro</i> CD4 blockade, <i>in vitro</i> blocking of CD4+ T cell activation, IF, IHC-F, FC	RPA-T4	BE0288	BE0083
CD4	Rat	<i>in vivo</i> CD4+ T cell depletion, FC	OX-38	BE0308	BE0085
CD8 (Lyt 2.1)	Mouse	<i>in vivo</i> CD8+ T cell depletion, FC	116-13.1 (HB129)	BE0118	BE0085
CD8α	Mouse	<i>in vivo</i> CD8+ T cell depletion, IF, FC, WB	53-6.7	BP0004-1	BP0089
CD8α	Human	<i>in vivo</i> CD8+ T cell depletion in humanized mice	OKT-8	BE0004-2	BE0085
CD8α	Mouse	<i>in vivo</i> CD8+ T cell depletion, WB	2.43	BP0061	BP0090
CD8α	Mouse	<i>in vivo</i> CD8+ T cell depletion, WB	YTS 169.4	BE0117	BP0090
CD8β (Lyt 3.2)	Mouse	<i>in vivo</i> CD8+ T cell depletion, <i>in vitro</i> CD8 blockade, IF	53-5.8	BE0223	BE0088
CD11b	Mouse/Human	<i>in vivo</i> CD11b neutralization, ILC2 cell purification, FC	M1/70	BE0007	BE0090
CD16/CD32	Mouse	<i>in vitro</i> Fc receptor blocking, <i>in vivo</i> Fc receptor blocking	2.4G2	BE0307	BE0090
CD19	Mouse	<i>in vivo</i> B cell depletion, <i>in vivo</i> CD19 neutralization, <i>in vitro</i> B cell negative selection, FC	1D3	BE0150	BE0089
CD19	Human	FC, Functional assays, IF, Chimeric antigen receptor construction	4G7	BE0281	BE0083
CD20	Mouse	<i>in vivo</i> B cell depletion, WB	MB20-11	BP0356	BP0366
CD22	Mouse	<i>in vivo</i> B cell depletion in combination with anti-CD19 (clone 1D3) and anti-rat κ Light Chain (clone MAR 18.5), FC, IP	Cy34.1	BE0011	BE0083
CD24	Mouse	<i>in vivo</i> administration, IHC-F, IHC-P, IF, FC	M1/69	BE0360	BE0090
CD25 (IL-2Rα)	Mouse	<i>in vivo</i> regulatory T cell depletion, FC	PC-61.5.3	BP0012	BP0088
CD25 (IL-2Rα)	Human	<i>in vivo</i> regulatory T cell depletion in humanized mice, IP, IF	7G7B6	BE0014	BE0085
CD27	Mouse	<i>in vivo</i> CD27 stimulation, <i>in vitro</i> CD27 stimulation, IP, FC	RM27-3E5	BE0348	BE0089
CD28	Mouse	<i>in vitro</i> T cell stimulation/activation, <i>in vivo</i> CD28 blockade	37.51	BE0015-1	BE0087
CD28	Mouse	<i>in vitro</i> T cell stimulation/activation	PV-1	BE0015-5	BE0091
CD28	Mouse	<i>in vivo</i> T cell stimulation/activation, <i>in vitro</i> T cell stimulation/activation	D665	BE0328	BE0083
CD32 (FcγRIIA)	Human	<i>in vivo</i> FcγRIIA blockade in humanized mice, <i>in vitro</i> FcγRIIA blockade, ELISA, FC	IV.3	BE0224	BE0086
CD38	Mouse	<i>in vivo</i> CD38 stimulation, <i>in vitro</i> CD38 stimulation, <i>in vitro</i> B cell activation, IF, ELISA, FC	NIMR5	BE0317	BE0089
CD40	Mouse	<i>in vivo</i> CD40 activation, <i>in vitro</i> B cell stimulation/activation	FGK4.5/FGK45	BP0016-2	BP0089
CD40	Human	<i>in vitro</i> CD40 stimulation, Functional assays, FC	G28.5	BE0189	BE0083



Antigen	Reactivity	Application	Clone	Catalog #	Isotype Control
CD40L (CD154)	Mouse	<i>in vivo</i> blocking of CD40/CD40L signaling, <i>in vitro</i> blocking of CD40/CD40L signaling, WB	MR-1	BP0017-1	BP0091
CD40L (CD154)	Human/Monkey	<i>in vitro</i> blocking of CD40/CD40L signaling, <i>in vivo</i> blocking of CD40/CD40L signaling, IP, FC	5C8	BE0292	BE0085
CD45RB	Mouse	<i>in vivo</i> anti-CD45RB mediated tolerance induction, <i>in vivo</i> pre-mNK cell depletion	MB23G2 (HB220)	BE0019	BE0089
CD45.2	Mouse	FC, <i>in vivo</i> CD45.2 blockade, <i>in vitro</i> CD45.2 blockade, IHC-F	104.2	BE0300	BE0085
CD47	Human	<i>in vivo</i> CD47 neutralization in human tumor xenograft models or humanized mice, <i>in vitro</i> CD47 neutralization, FC	B6H12	BE0019-1	BE0083
CD47	Human/Mouse/Rat	<i>in vivo</i> CD47 blockade, <i>in vitro</i> CD47 blocking, IF	MIAP410	BP0283	BP0083
CD47 (IAP)	Mouse	<i>in vivo</i> CD47 blockade, <i>in vitro</i> CD47 blockade, IF	MIAP301	BE0270	BE0089
CD48	Mouse	<i>in vivo</i> CD48 blockade, <i>in vitro</i> CD48 blocking	HM48-1	BE0147	BE0091
CD54 (ICAM-1)	Mouse	<i>in vivo</i> ICAM-1 neutralization, IHC-F, ELISA	YN1/1.7.4	BE0020-1	BE0090
CD69	Mouse	<i>in vivo</i> down-regulation of CD69 expression, Functional assays	CD69.2.2	BE0330	BE0083
CD70	Mouse	<i>in vivo</i> CD70 blockade, <i>in vitro</i> CD70 blockade, FC	FR70	BE0022	BE0090
CD71 (TfR1)	Mouse	<i>in vivo</i> depletion of CD71+ cells	R17 217.1.3/TIB-219	BP0175	BP0089
CD71 (TfR1)	Mouse	<i>in vivo</i> depletion of CD71+ cells, IF, IHC-F, WB	8D3	BP0329	BP0089
CD71 (TfR1)	Rat/Mouse	Targeted drug delivery to the brain, IHC-F, FC	OX-26	BE0331	BE0085
CD73	Mouse	<i>in vivo</i> CD73 blockade, , <i>in vitro</i> CD73 blockade	TY/23	BE0209	BE0089
CD80 (B7-1)	Mouse	<i>in vivo</i> CD80 blockade, FC	16-10A1	BE0024	BE0091
CD86 (B7-2)	Mouse	<i>in vivo</i> CD86 blockade, FC	GL-1	BE0025	BE0089
CD96	Mouse	<i>in vivo</i> CD96 blocking, <i>in vitro</i> CD96 blocking, FC	3.3	BE0337	BE0088
CD103	Mouse	<i>in vivo</i> CD103 neutralization, IF, FC	M290	BE0026	BE0089
CD106 (VCAM-1)	Mouse	<i>in vivo</i> VCAM-1 neutralization, IF	M/K-2.7	BE0027	BE0088
CD122 (IL-2Rβ)	Mouse	<i>in vitro</i> NK cell negative selection, IP, FC	5H4	BE0272	BE0089
CD122 (IL-2Rβ)	Mouse	<i>in vivo</i> NK cell depletion, <i>in vivo</i> CD122 blockade, <i>in vitro</i> IL-2R blockade, Functional assays, FC	TM-Beta 1	BE0298	BE0090
CD132 (common γ chain)	Mouse	<i>in vivo</i> γc blockade, Functional assays, IP, FC	3E12	BE0271	BE0090
CD172a (SIRPα)	Mouse	<i>in vivo</i> SIRPα blocking, <i>In vitro</i> SIRPα blocking, WB, IP, FC	P84	BE0322	BE0088
CD200 (OX2)	Mouse	<i>in vivo</i> CD200 blockade, <i>in vitro</i> CD200 blockade, IHC-F, IF, FC	OX-90	BE0299	BE0089
CD209b (SIGN-R1)	Mouse	<i>in vivo</i> SIGN-R1 blockade, IHC-F, WB, FC	22D1	BE0220	BE0091
CD276 (B7-H3)	Mouse	<i>in vivo</i> B7-H3 blockade, FC	MJ18	BE0124	BE0088
CD314 (NKG2D)	Mouse	<i>in vivo</i> NKG2D blockade, <i>in vitro</i> NKG2D blockade, FC	CX5	BE0334	BE0088
CD317 (BST2, PDCA-1)	Mouse	<i>in vivo</i> pDC depletion, IF, FC	927	BE0311	BE0090
CD326 (EpCAM)	Human	IHC-P, IF, FC, IP	Ber-EP4	BE0386	BE0083
CLEC9A (CD370)	Mouse	<i>in vivo</i> CLEC9A blockade, <i>in vivo</i> Ag targeting to CLEC9A+ DCs, WB, ELISA, IP, IF, FC	7H11	BE0305	BE0088
CSF1	Mouse	<i>in vivo</i> CSF1 neutralization	5A1	BE0204	BE0088
CSF1R (CD115)	Mouse	<i>in vivo</i> macrophage depletion, <i>in vitro</i> CSF1R neutralization, <i>in vivo</i> monocyte depletion, FC, WB	AFS98	BP0213	BP0089
CTLA-4 (CD152)	Mouse	<i>in vivo</i> CTLA-4 neutralization, <i>in vitro</i> CTLA-4 neutralization, FC, WB	UC10-4F10-11	BP0032	BP0091
CTLA-4 (CD152)	Mouse	<i>in vivo</i> CTLA-4 neutralization, <i>in vitro</i> CTLA-4 neutralization, WB	9H10	BP0131	BP0087
CTLA-4 (CD152)	Mouse	<i>in vivo</i> CTLA-4 neutralization, WB	9D9	BP0164	BP0086
CTLA-4 (CD152)	Human	<i>in vitro</i> CTLA-4 neutralization, FC	BN13	BE0190	BE0085
CXCR3 (CD183)	Mouse	<i>in vivo</i> CXCR3 neutralization, FC	CXCR3-173	BE0249	BE0091
Delta-like protein 4 (DLL4)	Mouse	<i>in vivo</i> DLL4 neutralization, , <i>in vitro</i> DLL4 neutralization	HMD4-2	BE0127	BE0091
DR5 (CD262)	Mouse	<i>in vivo</i> induction TRAIL-mediated apoptosis, <i>in vitro</i> induction TRAIL-mediated apoptosis	MD5-1	BE0161	BE0091
F4/80	Mouse	<i>in vivo</i> Monocyte/Macrophage depletion, Functional assays, IHC-P, IHC-F, FC	Cl:A3-1	BE0206	BE0090
FasL (CD178)	Mouse	<i>in vivo</i> FasL blockade, <i>In vitro</i> FasL blockade, Functional assay, IHC-P, FC	MFL3	BE0319	BE0091
FGL-1	Mouse	<i>in vivo</i> FGL-1 blockade, <i>in vitro</i> FGL-1 blockade, FC, IHC-P	177R4	BE0332	BE0083
Galectin-9	Mouse	<i>in vivo</i> Galectin-9 blockade <i>in vitro</i> Galectin-9 blockade	RG9-1	BE0218	BE0090
GITR	Mouse	<i>in vivo</i> GITR stimulation	DTA-1	BP0063	BP0090
GM-CSF	Mouse	<i>in vivo</i> GM-CSF neutralization, <i>in vitro</i> GM-CSF neutralization, FC	MP1-22E9	BE0259	BE0089
ICOS	Mouse	<i>in vivo</i> blocking of ICOS/ICOSL signaling, FC	7E.17G9	BE0059	BE0090
ICOSL (CD275)	Mouse	<i>in vivo</i> ICOSL neutralization	HK5.3	BE0028	BE0089
IFNAR-1	Mouse	<i>in vivo</i> IFNAR-1 blockade, <i>in vitro</i> IFNAR-1 blockade, WB	MAR1-5A3	BP0241	BP0083
IFNγ	Mouse	<i>in vivo</i> IFNγ neutralization, <i>in vitro</i> IFNγ neutralization	R4-6A2	BE0054	BE0088
IFNγ	Mouse	<i>in vivo</i> IFNγ neutralization, <i>in vitro</i> IFNγ neutralization, ELISPOT, FC, WB	XMG1.2	BP0055	BP0088
IFNγ	Human	<i>in vivo</i> IFNγ neutralization in humanized mice, , <i>in vitro</i> IFNγ neutralization	B133.5	BE0235	BE0083
IFNγ	Human	FC	B27	BE0245	BE0083



Antigen	Reactivity	Application	Clone	Catalog #	Isotype Control
IFN $\gamma$	Mouse	<i>in vivo</i> IFN $\gamma$ neutralization, <i>in vitro</i> IFN $\gamma$ neutralization	H22	BE0312	BE0091
IFN $\gamma$ R (CD119)	Mouse	<i>in vivo</i> IFN $\gamma$ R neutralization, <i>in vitro</i> IFN $\gamma$ R neutralization	GR-20	BE0029	BE0089
IFN $\gamma$ R $\alpha$ (CD119)	Mouse	WB, IP, FC	2E2	BE0287	BE0091
IL-1 R (CD121a)	Mouse	<i>in vivo</i> IL-1 R blockade, <i>in vitro</i> IL-1 R blockade	JAMA-147	BE0256	BE0091
IL-1 $\alpha$	Mouse	<i>in vivo</i> IL-1 $\alpha$ neutralization, <i>in vitro</i> IL-1 $\alpha$ neutralization	ALF-161	BE0243	BE0091
IL-1 $\beta$	Mouse/Rat	<i>in vivo</i> IL-1 $\beta$ neutralization, <i>in vitro</i> IL-1 $\beta$ neutralization, ELISA	B122	BE0246	BE0091
IL-2	Mouse	<i>in vivo</i> and <i>in vitro</i> IL-2 neutralization, <i>in vivo</i> IL-2 receptor stimulation (as a complex with IL-2), ELISPOT, FC	JES6-5H4	BE0042	BE0090
IL-2	Mouse	<i>in vivo</i> IL-2 neutralization, <i>in vivo</i> IL-2 receptor stimulation (as a complex with IL-2)	JES6-1A12	BE0043	BE0089
IL-2	Mouse	<i>in vivo</i> IL-2 neutralization, <i>in vivo</i> IL-2 receptor stimulation (as a complex with IL-2)	S4B6-1	BE0043-1	BE0089
IL-3	Mouse	<i>in vivo</i> and <i>in vitro</i> IL-3 neutralization, <i>in vivo</i> IL-3 receptor stimulation (as a complex with IL-3), ELISA, FC	MP2-8F8	BE0282	BE0088
IL-4	Mouse	<i>in vivo</i> and <i>in vitro</i> IL-4 neutralization, <i>in vivo</i> IL-4 receptor stimulation (as a complex with IL-4), FC, WB	11B11	BP0045	BP0088
IL-4	Mouse	ELISA, ELISPOT, FC	BVD6-24G2	BE0199	BE0088
IL-4	Human	<i>in vitro</i> IL-4 neutralization, FC	MP4-25D2	BE0240	BE0088
IL-5	Mouse/Human	<i>in vivo</i> IL-5 neutralization, <i>in vivo</i> eosinophil depletion	TRFK5	BE0198	BE0088
IL-6	Mouse	<i>in vivo</i> IL-6 neutralization, <i>in vitro</i> IL-6 neutralization	MP5-20F3	BE0046	BE0088
IL-6R	Mouse	<i>in vivo</i> blocking of IL-6/IL-6R signaling, <i>in vitro</i> blocking of IL-6R signaling	15A7	BE0047	BE0090
IL-7	Mouse/Human	<i>in vivo</i> IL-7 neutralization, <i>in vivo</i> IL-7 receptor stimulation (as a complex with IL-7)	M25	BE0048	BE0086
IL-7R $\alpha$ (CD127)	Mouse	<i>in vivo</i> blocking of IL-7R $\alpha$ signaling, FC	A7R34	BE0065	BE0089
IL-9	Mouse	<i>in vivo</i> IL-9 neutralization	9C1	BE0181	BE0085
IL-10	Mouse	<i>in vivo</i> IL-10 neutralization, <i>in vitro</i> IL-10 neutralization	JES5-2A5	BE0049	BE0088
IL-10R (CD210)	Mouse	<i>in vivo</i> blocking of IL-10/IL-10R signaling, <i>in vitro</i> blocking of IL-10R signaling, FC, WB	1B1.3A	BP0050	BP0088
IL-12	Mouse	<i>in vivo</i> IL-12 neutralization, <i>in vitro</i> IL-12 neutralization	R1-5D9	BE0052	BE0089
IL-12 p35	Mouse	<i>in vivo</i> IL-12 p35 neutralization, <i>in vitro</i> IL-12 p35 neutralization, ELISA, IP	C18.2	BE0371	BE0089
IL-12 p40	Mouse	<i>in vivo</i> IL-12p40 neutralization, p40 affinity chromatography, IP, ELISA, FC, WB	C17.8	BP0051	BP0089
IL-12 p70	Human	Functional assays, ELISA, FC	20C2	BE0234	BE0088
IL-12 p75	Mouse	<i>in vivo</i> IL-12p75 neutralization, ELISA	R2-9A5	BE0233	BE0090
IL-15	Mouse	<i>in vivo</i> IL-15 neutralization, <i>in vitro</i> IL-15 neutralization	AIO.3	BE0315	BE0089
IL-17A	Mouse	<i>in vivo</i> IL-17A neutralization	17F3	BP0173	BP0083
IL-17F	Mouse	<i>in vivo</i> IL-17F neutralization	MM17F8F5.1A9	BE0303	BE0083
IL-18	Mouse	<i>in vivo</i> IL-18 neutralization, <i>in vitro</i> IL-18 neutralization	YIGIF74-1G7	BE0237	BE0089
IL-21R	Mouse	<i>in vivo</i> IL-21R blockade	4A9	BE0258	BE0089
IL-23 (p19)	Mouse	<i>in vivo</i> IL-23p19 neutralization, WB	G23-8	BE0313	BE0088
IL-27 p28	Mouse	<i>in vivo</i> IL-27 p28 neutralization, <i>in vitro</i> IL-27 p28 neutralization, FC	MM27.7B1	BE0326	BE0085
Jagged2	Mouse	<i>in vivo</i> Jagged 2 neutralization	HMJ2-1	BE0125	BE0091
Kappa Immunoglobulin Light Chain	Rat	<i>in vivo</i> B cell depletion in combination with anti-CD19 (clone ID3) and anti-CD22 (clone Cy34.1)	MAR 18.5	BE0122	BE0085
Kappa Immunoglobulin Light Chain	Mouse	IF	187.1 (HB58)	BE0176	BE0088
KLRG-1	Mouse/Human	FC	2F1	BE0201	BE0087
LAG-3	Mouse	<i>in vivo</i> LAG-3 neutralization, <i>in vitro</i> LAG-3 neutralization, FC, WB	C9B7W	BP0174	BP0088
Ly6C	Mouse	<i>in vivo</i> macrophage depletion (in combination with clodronate liposomes), FC	Monts 1	BE0203	BE0089
Ly6G	Mouse	<i>in vivo</i> neutrophil depletion, <i>in vivo</i> MDSC depletion, IF, IHC-P, IHC-F, FC	1A8	BP0075-1	BP0089
Ly6G/Ly6C (Gr-1)	Mouse	<i>in vivo</i> neutrophil depletion, IHC-P, IHC-F, IF, FC	NIMP-R14	BE0320	BE0090
Ly6G/Ly6C (Gr-1)	Mouse	<i>in vivo</i> depletion of Gr-1+ myeloid cells, FC, IHC-P, IHC-F	RB6-8C5	BP0075	BP0090
MDR-1 (CD243)	Human/Monkey	<i>in vivo</i> MDR-1 blocking/depletion in xenogeneic murine, tumor models, <i>in vitro</i> MDR-1 blocking, IHC-P	UIC2	BE0340	BE0085
MHC Class I (H-2)	Mouse	ex vivo blocking of MHC I-dependent interactions, IF, FC	M1/42.3.9.8	BE0077	BE0089
MHC Class I (H-2Kb)	Mouse	<i>in vivo</i> administration, FC	AF6-88.5.5.3	BE0121	BE0085
MHC Class I (H-2Kb)	Mouse	<i>in vivo</i> MHC II blockade, Functional assays, Purification of MHC peptide complexes, FC	Y-3	BE0172	BE0086
MHC Class I (H-2Kb) bound to SIINFEKL	Mouse	<i>in vivo</i> blocking of Kb -SIINFEKL, Functional assays, FC	25-D1.16	BE0207	BE0083
MHC Class I (H-2Kd, H-2Dd)	Mouse	<i>in vivo</i> activation of APCs	34-1-2S	BE0180	BE0085
MHC Class I (H-2Kd)	Mouse	Purification of MHC peptide complexes, <i>in vivo</i> administration, FC	SF1.110 (HB159)	BE0104	BE0085
MHC Class I (H-2Kk, H-2Dk)	Mouse	<i>in vivo</i> administration, FC	15-3-1S (HB13)	BE0158	BE0085
MHC Class I (HLA-A, HLA-B, HLA-C)	Human	Functional assays	W6/32	BE0079	BE0085
MHC class II (HLA-DR)	Human/Monkey	<i>in vitro</i> blocking of MHC class II HLA-DR, HLA class II binding assay, <i>in vitro</i> MHC class II HLA-DR expressing cell negative selection, WB, FC	L243	BE0306	BE0085
MHC class II (I-A)	Mouse	<i>in vivo</i> blockade of TCR stimulation, FC	Y-3P	BE0178	BE0085



InVivoMab vs. InVivoPlus		
	InVivoMab > 95%	InVivoPlus > 95%
purity level	> 95%	> 95%
protein aggregates validated at ≤ 5%	✓	✓
azide and carrier protein free	✓	✓
endotoxin concentration	< 2EU/mg	< 1EU/mg
validated by immunoblot, FC, or ELISA	✓	✓
tested for murine pathogens	✓	✓
available in bulk quantities	✓	✓

Antigen	Reactivity	Application	Clone	Catalog #	Isotype Control
MHC Class II (I-A/I-E)	Mouse	<i>in vivo</i> MHC II blockade, Functional assays, IF, WB, IP, FC	M5/114	BE0108	BE0090
MHC II (I-Ak, I-As, I-At, I-As, I-Ag7)	Mouse	<i>in vitro</i> MHC class II I-A blocking, <i>in vitro</i> MHC class II I-A expressing cell negative selection	10-3.6.2	BE0068	BE0085
MHC Class II (I-Ek/RT1-D)	Mouse/Rat	<i>in vivo</i> blocking of antigen presentation, FC	14-4-4S (HB32)	BE0167	BE0085
MHC Class II (β chain)	Mouse	WB	KL277	BE0140	N/A
NK1.1	Mouse	<i>in vivo</i> NK cell depletion, FC	PK136	BP0036	BP0085
NKG2A/C/E	Mouse	<i>in vivo</i> NKG2A blockade (see description), <i>in vitro</i> NKG2A blockade, IHC-F, FC	20D5	BE0321	BE0089
NKG2AB6	Mouse	FC	16A11	BE0339	BE0086
NKG2D	Mouse	<i>in vivo</i> NKG2D blockade	HMG2D	BE0111	BE0091
Nonclassical MHC Class I molecule Qa-1b	Mouse	WB, IF	4C2.4A7.5H11	BE0165	BE0083
Notch4	Mouse	<i>in vivo</i> Notch4 blocking, <i>in vitro</i> Notch4 stimulation, FC	HMN4-14	BE0129	BE0091
OX40 (CD134)	Mouse	<i>in vivo</i> OX40 activation, <i>in vitro</i> OX40 activation, WB	OX-86	BP0031	BP0088
OX40L (CD134L)	Mouse	<i>in vivo</i> blocking of OX40/OX40L signaling, <i>in vitro</i> OX40L neutralization	RM134L	BE0033-1	BE0090
PD-1 (CD279)	Mouse	<i>in vivo</i> blocking of PD-1/PD-L signaling, <i>in vitro</i> PD-1 neutralization, WB	J43	BP0033-2	BP0091
PD-1 (CD279)	Mouse	<i>in vivo</i> blocking of PD-1/PD-L signaling	RMP1-14	BP0146	BP0089
PD-1 (CD279)	Human	<i>in vitro</i> PD-1 neutralization, <i>in vivo</i> PD-1 blockade in humanized mice	J116	BE0188	BE0083
PD-1 (CD279)	Human	<i>in vivo</i> PD-1 blockade in humanized mice, FC	J110	BE0193	BE0083
PD-1 (CD279)	Mouse	<i>in vivo</i> blocking of PD-1/PD-L signaling, <i>in vitro</i> PD-1 neutralization, IHC-F, IF, WB, FC	29F.1A12	BP0273	BP0089
PD-1 (p248Tyr)	Mouse/Human	WB, FC	407.6G12	BE0387	BE0085
PD-L1 (B7-H1)	Mouse	<i>in vivo</i> and <i>in vitro</i> blocking of PD-L1/CD80 (B7-1) interactions, ELISA, FC	10F.2H11	BE0361	BE0090
PD-L1 (B7-H1)	Mouse/Human/Rat	<i>in vivo</i> PD-L1 blockade, <i>in vitro</i> PD-L1 blockade, FC	368A.4H1	BE0383	BE0083
PD-L1 (B7-H1)	Mouse	<i>in vivo</i> PD-L1 blockade, IF, IHC-F, FC, WB	10F.9G2	BP0101	BP0090
PD-L1 (B7-H1)	Human	<i>in vitro</i> PD-L1 blockade, Functional assays, IHC-F, FC	29E.2A3	BE0285	BE0086
PD-L2 (B7-DC)	Mouse	<i>in vivo</i> PD-L2 blockade, <i>in vitro</i> PD-L2 blockade, IHC-F, FC	TY25	BE0112	BE0089
PSGL-1 (CD162)	Mouse	<i>in vivo</i> PSGL-1 blockade, IHC-F	4RA10	BE0186	BE0088
RANKL (CD254)	Mouse	<i>in vivo</i> RANKL blockade	IK22/5	BE0191	BE0089
Siglec-H	Mouse	<i>in vivo</i> administration, FC	440c	BE0202	BE0090
TCR Vγ1.1/Cr4	Mouse	<i>in vivo</i> Vγ1 TCR+ cell depletion, FC	2.11	BE0257	BE0091
TCR γ/δ	Mouse	<i>in vivo</i> TCR γ/δ neutralization, <i>in vitro</i> γ/δ T cell stimulation, <i>in vitro</i> γ/δ T cell purification, Functional assays, IP, FC	UC7-13D5	BE0070	BE0091
TCRβ	Mouse	<i>in vivo</i> T cell depletion	H57-597 (HB218)	BE0102	BE0091
Ter-119	Mouse	<i>in vivo</i> administration, <i>in vitro</i> erythrocyte negative selection, Functional assays, FC	TER-119	BE0183	BE0090
TGF-β	Mouse/Human/Rat/Monkey/Hamster/Canine/Bovine	<i>in vivo</i> TGFβ neutralization, <i>in vitro</i> TGFβ neutralization, WB	1D11.16.8	BP0057	BP0083
Thy1 (CD90)	Mouse	<i>in vitro</i> T cell depletion	M5/49.4.1	BE0076	BE0089
Thy1.1 (CD90.1)	Mouse	<i>in vivo</i> T cell depletion	19E12	BE0214	BE0085
Thy1.2 (CD90.2)	Mouse	<i>in vivo</i> ILC depletion, <i>in vivo</i> T cell depletion, WB	30H12	BP0066	BP0090
TIGIT	Mouse	<i>in vivo</i> TIGIT stimulation, FC	1G9	BE0274	BE0083
TIM-1 (CD365)	Mouse	<i>in vivo</i> TIM-1 blockade	RMT1-10	BE0113	BE0089
TIM-1 (CD365)	Mouse	<i>in vivo</i> TIM-1 activation, <i>in vitro</i> T cell stimulation/activation, Functional assays, ELISA, FC	3B3	BE0289	BE0089
TIM-1 (CD365)	Mouse	<i>in vivo</i> TIM-1 blockade, <i>in vitro</i> TIM-1 blockade	3D10	BE0314	BE0088
TIM-3 (CD366)	Mouse	<i>in vivo</i> TIM-3 neutralization, <i>in vitro</i> TIM-3 blocking, FC	RMT3-23	BP0115	BP0089
TIM-3 (CD366)	Mouse	<i>in vivo</i> TIM-3 neutralization, <i>in vitro</i> TIM-3 blocking, FC	B8.2C12	BE0275	BE0088
TIM-4	Mouse	<i>in vivo</i> TIM-4 blockade, <i>in vitro</i> TIM-4 blockade, IF	RMT4-53	BE0171	BE0090
TIM-4	Mouse	<i>in vitro</i> TIM-4 blocking, IF, FC	RMT 4-54	BE0225	BE0089
TL1A (TNFSF15)	Mouse	<i>in vivo</i> TL1A neutralization, FC	5G4.2	BE0323	BE0091
TNFR2 (CD120b)	Mouse	<i>in vivo</i> TNFR2 blockade, <i>in vitro</i> TNFR2 blockade	TR75-54.7	BE0247	BE0091
TNFα	Mouse	<i>in vivo</i> TNFα neutralization, <i>in vitro</i> TNFα neutralization, WB	XT3.11	BP0058	BP0088
TNFα	Mouse/Rat/Rabbit	<i>in vivo</i> TNFα neutralization, FC	TN3-19.12	BE0244	BE0091
VISTA	Mouse	<i>in vivo</i> blocking of VISTA signaling, <i>in vitro</i> blocking of VISTA signaling	13F3	BP0310	BP0091
Vβ4 TCR	Mouse	<i>in vivo</i> administration, FC	KT4	BE0166	BE0090
Vγ2 TCR	Mouse	<i>in vivo</i> γδ T cell depletion, FC	UC3-10A6	BE0168	BE0091



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