



# BTL Biotechno Labs Pvt. Ltd. Authorized Channel Partner of Diaclone

## *Empowering Immunology Research*

Diaclone, part of Medix Biochemica, has been a leader in innovative immunology research solutions for over several years. Renowned for its excellence in antibody, detection kits, and assay development platform, Diaclone supports life science research and diagnostics through its diverse portfolio of high-quality products. BTL Biotechno Labs Pvt. Ltd. is an authorised distributor of Diaclone in India. We are committed to being the most reliable supplier for life science research products in the entire Indian market and serving the scientific community by providing innovative, reliable, and high-quality research products at an affordable price.

As a distributor of Diaclone in India, we offer their complete product range, including monoclonal antibodies, immunoassay kits, recombinant antigens and IVD raw material to the scientific community at the best price.

## Products

### Monoclonal Antibodies

- 4 Monoclonal Antibodies
- 13 Isotype Controls
- 13 Antibodies with Biological Activity

### Recombinant Antigens

- 16 Recombinant Human Antigens – Cytokines
- 17 Recombinant Human SARS-CoV-2 Antigens

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- 18 Antibody Development
- 18 Bioassay Services



## Monoclonal Antibodies

Our monoclonal antibodies are highly specific, high quality mouse monoclonal antibodies for the detection of a broad range of human proteins.

These antibodies can be utilized over an extensive application range including flow cytometry, immunohistochemistry, Western blot, immunoprecipitation, ELISA, ELISpot and biological assays.

- Available for intracellular and cell surface analysis.
- Can recognize both recombinant and natural proteins acting as neutralizing, agonistic and enhancer antibodies.
- Affinity purified antibodies available in a variety of formats including azide free and purified unlabelled antibodies.
- Isotype controls available to assess non-specific binding in assays.
- Custom manufacturing and bulk volume options available.

Specificity (Anti-Human)	Antigen Synonym	Clone	Isotype	Azide Free	Unconjugated
Ang-2	ANGPT-2	B-C57	IgG2b	855.960.00X	
Ang-2	ANGPT-2	B-G60	IgG1	855.970.00X	
BIOTIN		B-E24	IgG1	857.060.00X	
CD1a		HI149	IgG1		853.153.020
CD1b/c		B-B5	IgG1	854.000.00X	854.003.020
CD2	LFA-2	B-E2	IgG2b	852.500.00X	852.503.020
CD3		B-B11	IgG1	854.010.00X	854.013.020
CD4		B-A1	IgG2a	854.030.00X	854.033.020
CD5		B-B8	IgG1	854.040.00X	854.043.020
CD6		B-F3	IgG1	854.050.00X	854.053.020
CD7		B-F12	IgG1	854.060.00X	854.063.020
CD8		B-Z31	IgG2a	854.960.00X	854.963.020
CD9		TS9	IgG1	857.750.00X	
CD10		B-E3	IgG2a	854.090.00X	854.093.020
CD11a	LFA-1	B-B15	IgG1	852.510.00X	852.513.020
CD11b	MAC-1	MEM-174	IgG2a		853.163.020
CD11c	Integrin a X	BU15	IgG1		853.383.020
CD13		B-F10	IgG1	854.100.00X	854.103.020
CD14		B-A8	IgG1	854.110.00X	854.113.020
CD15		MEM-158	IgM		853.183.020
CD16		B-E16	IgG2a	854.130.00X	854.133.020

## Monoclonal Antibodies

Specificity (Anti-Human)	Antigen Synonym	Clone	Isotype	Azide Free	Unconjugated
CD18		MEM48	IgG1	852.540.00X	852.543.020
CD19		B-C3	IgG1	854.140.00X	854.143.020
CD20		B-H20	IgG2a	854.150.00X	854.153.020
CD21		B-E5	IgG2a	854.160.00X	854.163.020
CD21		B-C6	IgG1	853.600.00X	
CD21		B-D6	IgG1	854.170.00X	
CD22		MEM-01	IgG1		853.193.020
CD23		B-G6	IgG1	854.190.00X	854.193.020
CD25	IL-2R	B-B10	IgG1	852.000.00X	
CD25	IL-2R	B-F2	IgG1	852.010.00X	852.013.020
CD25	IL-2R	B-G3	IgG1	852.020.00X	
CD27		LT27	IgG2a		853.343.020
CD28		B-T3	IgG2a	854.220.00X	854.223.020
CD29		B-D15	IgG2a	852.550.00X	852.553.020
CD30		MEM-268	IgG1		853.203.020
CD31	PECAM-1	B-B38	IgG1	852.560.00X	852.563.020
CD31	PECAM-1	B-N14	IgG1	853.710.00X	
CD33		HIM3-4	IgG1		853.273.020
CD34 Class I		B-G25	IgG1	854.240.00X	854.243.020
CD34 Class I		B-C34	IgG1	854.590.00X	854.593.020
CD34 Class III		B-F23	IgG1	854.260.00X	854.263.020
CD35		UJ11	IgG1		853.403.020
CD36		TR9	IgG1		853.213.020
CD38		B-E60	IgG2a	857.920.00X	
CD40		B-B20	IgG1	854.280.00X	854.283.020
CD41		MEM-06	IgG1		853.353.020
CD41a	GPIIb	HIP8	IgG1		853.223.020
CD43		MEM-59	IgG1		853.243.020
CD44	PGP-1	B-F24	IgG1	852.600.00X	852.603.020
CD44	PGP-1	B-R8	IgG1	853.790.00X	
CD45		B-A11	IgG1	854.300.00X	854.303.020
CD45RA		B-C15	IgG1	854.320.00X	854.323.020

## Monoclonal Antibodies

Specificity (Anti-Human)	Antigen Synonym	Clone	Isotype	Azide Free	Unconjugated
CD45RO		UCHL1	IgG2a		854.333.020
CD48	BLAST-1	MEM-102	IgG1		852.613.020
CD49d		BU49	IgG1		853.443.020
CD50	ICAM-3	B-R1	IgG1	852.670.00X	852.673.020
CD50	ICAM-3	B-P12	IgG1	853.760.00X	
CD53		TS53	IgG1	857.760.00X	
CD54		B-H17	IgG1	852.690.00X	852.693.020
CD54	ICAM-1	B-H22	IgG1	853.680.00X	
CD55		MEM-118	IgM		853.373.020
CD56	NCAM	B-A19	IgG1	852.700.00X	852.703.020
CD57		NC1	IgM		853.463.020
CD58		B-L28	IgG1	854.630.00X	854.633.020
CD59		MEM43	IgG2a	854.360.00X	854.363.020
CD62E	E-Selectin	B-P7	IgG1	852.730.00X	
CD62E	E-Selectin	B-S3	IgG1	853.810.00X	
CD62L	L-Selectin	B-S13	IgG1	852.780.00X	852.783.020
CD62P	P-Selectin	B-F46	IgG1	855.400.00X	855.403.020
CD62P	P-Selectin	B-G43	IgG2b	855.390.00X	
CD63		TS63	IgG1	857.770.00X	
CD64		B-T44	IgG2b	857.120.00X	857.123.020
CD66a		B-D60	IgG1		855.413.020
CD71		B-G24	IgG1	854.390.00X	854.393.020
CD75		B-L5	IgM	854.420.00X	854.423.020
CD80	BB1 / B7	MEM-233	IgG1		853.253.020
CD81		TS81	IgG2a	857.780.00X	
CD82		B-L2	IgG1	854.440.00X	854.443.020
CD82		TS82b	IgG1	857.790.00X	
CD86	B7-2	B-T7	IgG1	854.450.00X	854.453.020
CD86	B7-2	B-S7	IgG1	853.830.00X	
CD94	Kp43 / KLRD1	B-D49	IgG1	855.800.00X	855.803.020
CD95	FAS	B-G27	IgG2a	853.000.00X	853.003.020
CD95	FAS	B-D29	IgG1	853.030.00X	

## Monoclonal Antibodies

Specificity (Anti-Human)	Antigen Synonym	Clone	Isotype	Azide Free	Unconjugated
CD99		B-N24	IgG1	854.610.00X	854.613.020
CD102	ICAM-2	B-T1	IgG1	852.760.00X	852.763.020
CD102	ICAM-2	B-R7	IgG1	853.780.00X	
CD105	Endoglin	B-A55	IgG1	857.810.00X	857.813.020
CD105	Endoglin	B-H45	IgG1	857.820.00X	
CD105	Endoglin	MEM-226	IgG2a		853.263.020
CD106	VCAM-1	B-K9	IgG1	852.770.00X	
CD106	VCAM-1	B-N8	IgG1	853.700.00X	
CD106	VCAM-1	B-S6	IgG1	853.820.00X	853.823.020
CD107a		B-T47	IgG1	852.900.00X	852.903.020
CD109		B-E47	IgG1	854.570.00X	854.573.020
CD112		B-C12	IgG2b	857.000.00X	857.003.020
CD117	c-kit	B-K15	IgG1	854.510.00X	854.513.020
CD117	c-kit	B-N20	IgG1	853.730.00X	
CD123		B-V8	IgG2a	857.230.00X	857.233.020
CD126	IL-6R	B-R6	IgG1	852.030.00X	852.033.020
CD126	IL-6R	B-F19	IgG1	852.040.00X	
CD126	IL-6R	B-N12	IgG1	852.050.00X	
CD130	gp130	B-R3	IgG2a	852.060.00X	852.063.020
CD130	gp130	B-K5	IgG1	852.070.00X	
CD130	gp130	B-P8	IgG1	852.080.00X	
CD130	gp130	B-P4	IgG1	852.090.00X	
CD130	gp130	B-K11	IgG2b	852.100.00X	
CD130	gp130	B-S12	IgG1	852.110.00X	
CD130	gp130	B-T2	IgG1	853.860.00X	
CD138	Syndecan-1	B-D30	IgG1	853.630.00X	
CD138	Syndecan-1	B-A38	IgG1	854.070.000	854.073.020
CD141	Thrombomodulin	B-A35	IgG1	854.580.00X	854.583.020
CD141	Thrombomodulin	B-S24	IgG1	853.850.00X	
CD146	MCAM	B-T46	IgG1	857.630.00X	857.633.020
CD151	TA-3	B-E31	IgG1	854.530.00X	854.533.020
CD154	CD40L	B-B29	IgG2a	854.290.00X	854.293.020

## Monoclonal Antibodies

Specificity (Anti-Human)	Antigen Synonym	Clone	Isotype	Azide Free	Unconjugated
CD156c	ADAM-10	11G2	IgG1	857.800.00X	
CD161	KLRB1 / NKR	B-D51	IgG1	855.820.00X	
CD171	L1CAM	B-L51	IgG1	857.320.00X	857.323.020
CD178	FAS-L	B-R17	IgG1	853.070.00X	853.073.020
CD178	FAS-L	B-B34	IgG2a	853.590.00X	
CD184		B-R24	IgG1	854.600.00X	854.603.020
CD196	CCR6	B-R35	IgG2a	855.910.00X	855.913.020
CD202b	TEK / Tie-2	B-B48	IgG2	854.710.00X	854.713.020
CD213a2	IL-13Ra2	B-D13	IgG1	852.120.00X	
CD213a2	IL-13Ra2	B-A34	IgG1	853.960.00X	
CD218a	IL-18Ra	B-E43	IgG1	854.900.00X	854.903.020
CD218b	IL-18Rb	B-B46	IgG1	854.910.00X	
CD253	TRAIL	B-S23	IgG1	853.080.00X	853.083.020
CD253	TRAIL	B-T24	IgG1	853.090.00X	
CD261	DR4/TRAIL R1	B-N36	IgG1	854.850.00X	854.853.020
CD261	DR4/TRAIL R1	B-N28	IgG1	852.980.00X	
CD261	DR4/TRAIL R1	B-T35	IgG1	853.890.00X	
CD262	DR5/TRAIL R2	B-K29	IgG1	854.860.00X	854.863.020
CD262	DR5/TRAIL R2	B-D37	IgG2b	854.870.00X	
CD263	DcR1/TRAIL R3	B-D44	IgG1	854.890.00X	854.893.020
CD263	DcR1/TRAIL R3	B-H47	IgG1	852.990.00X	
CD263	DcR1/TRAIL R3	B-N29	IgG1	853.740.00X	
CD264	DcR2/TRAIL R4	B-P30	IgG1	853.130.00X	
CD264	DcR2/TRAIL R4	B-L34	IgG1	853.690.00X	
CD264	DcR2/TRAIL R4	B-T32	IgG1	853.880.00X	
CD326	EpCam	B-K46	IgG1	857.625.00X	
CD326	EpCam	B-P43	IgG1	857.626.00X	
CD326	EpCam	B-E54	IgG1	857.830.00X	857.833.020
CD335	NKp46 / NCR1	B-N40	IgG1		855.433.020
CD335	NKp46 / NCR1	B-L46	IgG2a	855.490.00X	
CD336	NKp44 / NCR2	B-N44	IgG1	855.810.00X	

## Monoclonal Antibodies

Specificity (Anti-Human)	Antigen Synonym	Clone	Isotype	Azide Free	Unconjugated
CD337	NKp30 / NCR3	B-S30	IgG2b	855.650.00X	855.653.020
CD366	TIM-3	B-K48	IgG1	857.860.00X	857.863.020
CD366	TIM-3	B-N43	IgG1	857.300.00X	
CD366	TIM-3	B-E55	IgG1	857.310.00X	
cMyc		9E10	IgG1		855.313.020
DLL4		B-D59	IgG1	857.050.00X	857.053.020
FGF2		B-G58	IgG1	857.180.00X	
FGF2		B-T42	IgG2a	857.190.00X	
Galectin-1		B-H41	IgG1	857.990.00X	
Galectin-1		B-F49	IgG1	857.100.00X	
Galectin-3	LGALS3 / MAC2	B-S43	IgG2a	855.610.00X	855.613.020
Galectin-3	LGALS3 / MAC2	B-E53	IgG1	855.620.00X	
Galectin-8		B-Z18	IgG2a	857.010.00X	857.013.020
Galectin-8		B-S36	IgG1	857.690.00X	
Galectin-9	Ecalectin / LGALS9	B-T33	IgG2b	857.940.00X	857.943.020
Galectin-9	Ecalectin / LGALS9	B-K38	IgG1	855.870.00X	
Galectin-10	CLC	B-F42	IgG1	852.960.00X	852.963.020
Galectin-10	CLC	B-G54	IgG1	857.840.00X	
GM-CSF		B-Z13	IgG1	855.690.00X	
GM-CSF		B-S37	IgG1	855.700.00X	
Granulysin	NKG5 / LAG-2	B-L38	IgG1	855.540.00X	855.543.020
Granulysin	NKG5 / LAG-2	B-R32	IgG2b	855.550.00X	
HBP	CAP 37/Azurocidin	B-K37	IgG1	855.440.00X	
HBP	CAP 37/Azurocidin	B-R37	IgG2b	855.500.00X	
HBP	CAP 37/Azurocidin	B-P37	IgG2b	855.510.00X	
HLA Class I		W6/32	IgG2a	857.220.00X	857.223.020
HLA Class II(DQ)		B-K27	IgG2a	857.210.00X	857.213.020
HLA Class II(DR)		B-F1	IgG1	857.030.00X	857.033.020
HLA Class II(DR)		B-C10	IgG2b	857.930.00X	857.933.020
I-TAC		B-K43	IgG2a	857.650.00X	
I-TAC		B-S40	IgG1	857.700.00X	

## Monoclonal Antibodies

Specificity (Anti-Human)	Antigen Synonym	Clone	Isotype	Azide Free	Unconjugated
IFN- $\alpha$ 2a	IFN-alpha2a	B-Z38	IgG1	857.900.00X	
IFN- $\alpha$ 2a	IFN-alpha2a	B-N42	IgG1	857.910.00X	
IFN- $\gamma$	IFNg	B-B1	IgG1	855.000.00X	
IFN- $\gamma$	IFNg	B-G1	IgG1	853.670.00X	
IL1RAP		B-L43	IgG1	857.090.00X	857.093.020
IL1RAP		B-R58	IgG1	857.110.00X	857.113.020
IL-1 $\beta$	IL-1b	B-A15	IgG1	855.010.00X	
IL-1 $\beta$	IL-1b	B-B53	IgG1	855.260.00X	
IL-2		B-G5	IgG1	855.020.00X	
IL-4		B-S4	IgG1	855.030.00X	
IL-4		B-G28	IgG1	855.170.00X	
IL-4		B-R14	IgG1	853.800.00X	
IL-5		B-Z25	Rat IgG2a	857.850.00X	
IL-6		B-E4	IgG2b	857.730.00X	
IL-6		B-E8	IgG1	855.050.00X	
IL-6		B-F6	IgG1	855.060.00X	
IL-7		B-N18	IgG1	853.720.00X	
IL-7		B-S16	IgG1	853.840.00X	
IL-8		B-K8	IgG1	855.080.00X	
IL-8		B-B49	IgG1	857.170.00X	
IL-10		B-S10	IgG1	855.100.00X	
IL-10		B-T10	IgG2b	853.870.00X	
IL-12 p35		B-T21	IgG1	855.120.00X	
IL-12 p40		B-P24	IgG1	855.130.00X	
IL-12 p40		B-P40	IgG1	855.180.00X	
IL-13		B-B13	IgG1	855.140.00X	
IL-13		B-P6	IgG1	853.750.00X	
IL-15		B-E29	IgG1	855.220.00X	
IL-17A		B-B51	IgG1	853.910.00X	
IL-17A		B-A50	IgG2b		853.943.020
IL-17A		B-C49	IgG2b	853.950.00X	

## Monoclonal Antibodies

Specificity (Anti-Human)	Antigen Synonym	Clone	Isotype	Azide Free	Unconjugated
IL-17B		B-B57	IgG1	857.240.00X	
IL-17B		B-B58	IgG2a	857.250.00X	
IL-17C		B-A60	IgG1	857.670.00X	
IL-17C		B-Z17	IgG1	857.710.00X	
IL-17F		B-C52	IgG1	855.560.00X	855.563.020
IL-17F		B-F60	IgG2b	855.360.00X	
IL-17F		B-G46	IgG2b	853.990.00X	
IL-21		B-Z16	IgG1	855.830.00X	
IL-21		B-P41	IgG1	855.840.00X	
IL-23		B-Z23	IgG1	853.920.00X	
IL-23		B-F43	IgG1	853.930.00X	
IL-24	MDA-7	B-C60	IgG2b	855.630.00X	
IL-24	MDA-7	B-C51	IgG2a	855.640.00X	
IL-24	MDA-7	B-C54	IgG2a	855.680.00X	
IL-27		B-G49	IgG2a	855.300.00X	855.303.020
IL-27		B-G44	IgG1	853.970.00X	
IL-28A		B-H44	IgG1	857.640.00X	
IL-28A		B-Z28	IgG2a	857.660.00X	
IL-28B		B-L48	IgG1	857.680.00X	
IL-28B		B-Z22	IgG1	857.270.00X	
IL-29	Interferon lambda 1	B-S29	IgG2b	855.860.00X	
IL-29	Interferon lambda 1	B-Z29	IgG2a	855.880.00X	
IL-31		B-S31	IgG1	855.450.00X	
IL-31		B-A51	IgG2b	855.460.00X	
IL-32		B-B52	IgG2b	855.890.00X	
IL-32		B-K42	IgG1	855.900.00X	
IL-33		B-L33	IgG1	855.470.00X	
IL-33		B-S33	IgG1	855.480.00X	
IL-34		B-R34	IgG1	855.980.00X	
IL-34		B-Z34	IgG1	855.990.00X	
IL-35		B-P35	IgG1	850.660.00X	

## Monoclonal Antibodies

Specificity (Anti-Human)	Antigen Synonym	Clone	Isotype	Azide Free	Unconjugated
IL-35		B-S35	IgG1	855.670.00X	
IL-37		B-N37	IgG1	857.890.00X	
IL-37		B-P47	IgG1	857.200.00X	
IP-10	CXCL10	B-C50	IgG2a	853.570.00X	853.573.020
IP-10	CXCL10	B-C55	IgG2a	855.420.00X	
LL-37	CAMP / CAP18	B-T37	IgG1	857.960.00X	857.963.020
LL-37	CAMP / CAP18	B-L47	IgG2a	857.970.00X	
LL-37	CAMP / CAP18	B-F57	IgG1	857.980.00X	
MCP-1	CCL2 / JE	B-K41	IgG1	855.570.00X	
MCP-1	CCL2 / JE	B-Z21	IgG1	855.580.00X	
MICA		B-N31	IgG1	855.380.00X	
MICA		B-Z26	IgG1	855.370.00X	855.373.020
MICB		B-D55	IgG1	855.530.00X	
MICB		B-D54	IgG1	855.520.00X	
NTR1		B-N6	IgM	857.040.00X	857.043.020
p53		B-P3	IgG2a	853.040.00X	
p53		B-F34	IgG2b	853.660.00X	
Perforin		B-E48	IgG2b	853.640.00X	
Perforin		B-C48	IgG1	853.620.00X	
Perforin		B-D48	IgG1	854.950.00X	854.953.020
RANTES	CCL5	B-C53	IgG2a	857.600.00X	
RANTES	CCL5	B-R46	IgG1	857.610.00X	
RANTES	CCL5	B-L39	IgG1	857.280.00X	857.283.020
ST2	IL-33 Receptor	B-L42	IgG2b	857.950.00X	857.953.020
ST2	IL-33 Receptor	B-A52	IgG1	857.870.00X	
ST2	IL-33 Receptor	B-D52	IgG2b	857.880.00X	
TNF- $\alpha$	TNF $\alpha$	B-F7	IgG1	855.330.00X	
TNF- $\alpha$	TNF $\alpha$	B-C7	IgG1	855.150.00X	
VEGF165	VEGF-A	B-G55	IgG2b	855.920.00X	
VEGF165	VEGF-A	B-F55	IgG2a	855.930.00X	

## Monoclonal Antibodies

### Isotype Controls

Negative Controls	Clone	Azide Free	Unconjugated
IgG1	B-Z1	857.070.00X	857.073.020
IgG2a	B-Z2	857.080.00X	857.083.020
IgM	PFR-03		857.913.020
IgG1 for in vivo experiments	B-D38	855.950.00X	
IgG2b for in vivo experiments	B-F33	855.940.00X	

### Antibodies with Biological Activity

These antibodies available in azide free format can recognize both recombinant and natural proteins acting as either neutralizing, agonistic or enhancer antibodies. Available products and their biological activities are shown below.

Specificity (Anti-Human)	Clone	Azide free	Biological Activity
CD2	B-E2	852.500.00X	Inhibits mixed lymphocyte culture
CD3	B-B11	854.010.00X	Induces T lymphocyte activation stimulation or proliferation
CD4	B-A1	854.030.00X	Inhibits mixed lymphocyte culture
CD10	B-E3	854.090.00X	Cytotoxic in association with Rabbit Complement on CD10+ Cells
CD20	B-H20	854.150.00X	Cytotoxic in association with Complement on CD20+ cells
CD21	B-E5	854.160.00X	Induces human B lymphocytes proliferation. Competes with EBV for CD21 binding
CD25	B-B10	852.00X.00X	Inhibits Mixed Lymphocyte Culture
CD25	B-F2	852.010.00X	Inhibits Mixed Lymphocyte Culture
CD28	B-T3	854.220.00X	Inhibits Mixed Lymphocyte Culture. Co-stimulates T cell proliferation
CD34 Class I	B-G25	854.240.00X	Triggers KG-1a cell aggregation
CD40	B-B20	854.280.00X	Stimulates B-cell proliferation together with IL-4
CD44	B-F24	852.600.00X	Triggers T lymphocyte aggregation. Enhances hyaluronan binding to CD44
CD54	B-H17	852.690.00X	Inhibits PHA stimulated T cell proliferation
CD86	B-T7	854.450.00X	Inhibits Mixed Lymphocyte Culture
CD95	B-G27	853.00X.00X	Triggers FAS induced apoptosis
CD95	B-D29	853.030.00X	Inhibits FasL induced apoptosis

## Monoclonal Antibodies

Specificity (Anti-Human)	Clone	Azide free	Biological Activity
CD102	B-T1	852.760.00X	Inhibits cell adhesion and T cell activation
CD106	B-K9	852.770.00X	Inhibits cell attachment to VCAM-1
CD117	B-K15	854.510.00X	Inhibits the Kit-Ligand induced proliferation of TF1 cell line
CD126	B-R6	852.030.00X	Inhibits IL-6 induced proliferation of XG-1 cells
CD130	B-K5	852.070.00X	Inhibits CNTF activity. Inhibits OSM binding to gp130
CD130	B-R3	852.060.00X	Inhibits IL-6, IL-11, CNTF, LIF and OSM activities
CD130	B-P4	852.090.00X	Inhibits IL-11 activity and binding to gp130, but not CNTF, LIF and OSM activities
CD130	B-P8	852.080.00X	Inhibits CNTF activity and binding to gp130. Induces gp130 activation, Jak 1, Jak 2, Stat 1 and Stat 3 phosphorylation
CD130	B-S12	852.110.00X	Activates cells carrying gp130. Induces gp130 activation, Jak 1, Jak 2, Stat 1 and Stat 3 phosphorylation
CD178	B-R17	853.070.00X	Inhibits soluble CD178 induced apoptosis
CD184	B-R24	854.600.00X	Inhibits HIV-1 infection
CD202b	B-B48	854.710.00X	Inhibits Tek-L / Tek binding
CD253	B-S23	853.080.00X	Enhances TRAIL induced apoptosis
CD253	B-T24	853.090.00X	Inhibits TRAIL induced apoptosis
CD261	B-N36	854.850.00X	Neutralizes TRAIL induced apoptosis on HEL cell line
CD262	B-D37	854.870.00X	Agonist: induced apoptosis on Jurkat cells. Enhances TRAIL induced apoptosis of U937 cell line
CD262	B-K29	854.860.00X	Neutralizes TRAIL induced apoptosis of U937 cell line
CD263	B-D44	854.890.00X	Inhibits TRAIL binding to TRAIL R3
CD218a	B-E43	854.900.00X	Inhibits human IFN $\gamma$ secretion induced by IL-18 stimulated cells
CD218b	B-B46	854.910.00X	Inhibits human IFN $\gamma$ secretion induced by IL-18 stimulated cells
HLA Class1	W6/32	857.220.00X	Inhibits the interaction between T cells and MHC molecules
IFN- $\gamma$	B-B1	855.00X.00X	Inhibits IFN $\gamma$ induced proliferation
IL-1 $\beta$	B-A15	855.010.00X	Inhibits IL-1 $\beta$ induced proliferation on D10S murine cell line
IL-2	B-G5	855.020.00X	Inhibits IL-2 induced proliferation on CTL-L2 murine cell line
IL-4	B-S4	855.030.00X	Inhibits IL-4 induced proliferation on TF1 cells
IL-6	B-E8	855.050.00X	Inhibits IL-6 induced proliferation on B9 cells
IL-8	B-K8	855.080.00X	Inhibits IL-8 induced chemotaxis of human neutrophils

## Monoclonal Antibodies

Specificity (Anti-Human)	Clone	Azide free	Biological Activity
IL-10	B-S10	855.100.00X	Inhibits IL-10 induced proliferation on MC/9 cell line
IL-12 p35	B-T21	855.120.00X	Inhibits IL-12 induced IFN $\gamma$ synthesis on PHA activated lymphocytes
IL-13	B-B13	855.140.00X	Inhibits IL-13 induced proliferation on TF1 cell line
IL-15	B-E29	855.220.00X	Inhibits IL-15 induced proliferation on Kit 225 cell line
IL-17A	B-B51	853.910.00X	Inhibits the bioactivity of IL-17A on keratinocyte cell line HaCaT (measurement of defensin-2 production)
IL-17F	B-F60	855.360.00X	Neutralises the bioactivity of IL-17F on HT1080 cell line (measurement of IL-6 production)
IL-23	B-Z23	853.920.00X	Inhibits the bioactivity of rhIL-23 on mouse splenocytes C57Bl/6 (measurement of mL-17 or mL-22 production)
NKp46	B-L46	855.490.00X	The biological activity is measured by the ability of the coated antibody to induce degranulation of activated NK cells and to enhance IFN $\gamma$ secretion by non activated NK cells
NTR 1	B-N6	857.040.00X	Inhibits neurotensin binding to its receptor
TNF- $\alpha$	B-C7	855.150.00X	Inhibits TNF $\alpha$ induced cytotoxicity on U937 cells

## Recombinant Antigens

To complement our offering of monoclonal antibodies for the needs of the scientific community, we offer recombinant antigens for a range of applications.

### Recombinant Human Antigens – Cytokines

Specificity	Source	Format	Size (10µg)	Size (25µg)	Size (100µg / 100µl)
IL1RAP	CHO cells	PBS			705-H23-100
hCD25	CHO cells	PBS			705-H27-0BU
hLRRC15	CHO cells	PBS			705-H28-100
hBCMA	HEK293 cells	PBS			715-H29-100
IL-2	HEK293 cells	PBS BSA	715-H02-010-BSA	715-H02-025-BSA	
IL-2	HEK293 cells	Carrier Free	715-H02-010-CF	715-H02-025-CF	
IL-6	HEK293 cells	PBS BSA	715-H01-010-BSA	715-H01-025-BSA	
IL-6	HEK293 cells	Carrier Free	715-H01-010-CF	715-H01-025-CF	

- Biologically active proteins
- With or without carrier
- Available in different formats: catalogue format (10, 25, and 100 µg) or bulk format
- Lyophilised form
- Expression in different mammalian cell systems (CHO or HEK293)
- Ideal as quality control materials for immunoassays

## Recombinant Antigens

### Recombinant Human SARS-CoV-2 Antigens

Specificity	Source	Size (100µg)
SARS-CoV-2 Nucleoprotein	HEK293 cells	715-H17-0BU
SARS-CoV-2 Nucleoprotein	E. coli	725-H17-0BU
SARS-CoV-2 Spike S1 RBD (Active)	HEK293 cells	715-H16-0BU
Human Angiotensin-converting enzyme 2 (ACE2) Extracellular Domain	HEK293 cells	715-H19-0BU
SARS-CoV-2 Spike RBD Variant 501Y.V1, Lineage B.1.1.7, UK	HEK293 cells	715-H20-0BU
SARS-CoV-2 Spike RBD Variant 501Y.V2, Lineage B.1.351, SA	HEK293 cells	715-H21-0BU
SARS-CoV-2 Spike RBD Variant 501Y.V3, Lineage B.1.1.248, Brazil & Japan	HEK293 cells	715-H22-0BU
SARS-CoV-2 Spike RBD Variant Lineage B.1.617, India	HEK293 cells	715-H24-0BU
SARS-CoV-2 Spike RBD Variant Delta Lineage B.1.617.2	HEK293 cells	715-H25-0BU
Recombinant Human SARS-CoV-2 Spike RBD		
Variant Mu B.1.621	HEK293 cells	715-H26-0BU
Recombinant Human SARS-CoV-2 Spike RBD		
Variant Omicron hFc, Lineage B.1.1.529	HEK293 cells	715-H28-0BU
Contact us for other sizes and bulk formats		

- Purity: >85% by SDS-PAGE
- Concentration: 1 mg/ml
- Size: 100 µg - Other sizes and formats available
- Expression in different host cell systems (E. coli, mammalian HEK cells)
- Ideal as quality control materials for immunoassays



## Custom Services

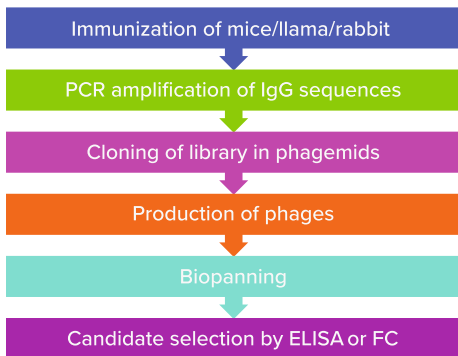
In addition to our comprehensive raw material portfolio, we also offer a robust menu of contract services, customizable for quick turnaround and to suit each of our customers' requirements, making us the number one trusted partner for the life science industry.

### Antibody Development

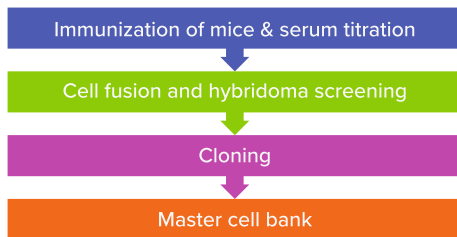
Monoclonal antibody development, full or part services, using hybridoma & phage display methods.

New monoclonal antibodies can be developed using either hybridoma or phage display methods in 6 months. High affinity recombinant antibodies can be developed for difficult targets and from immunized mice, rabbits or llamas.

#### Phage Display



#### Hybridoma Technology



### Bioassay Services

Full range of immunoassay development services:

- Antibody binding assays
- Antibody kinetics
- Cell health assays
- ADCC (Antibody-Dependent Cellular Cytotoxicity assay) or ADCP (Antibody-Dependent Cell phagocytosis test)
- Flow cytometry

## Authorised Channel Partner/Distributor



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