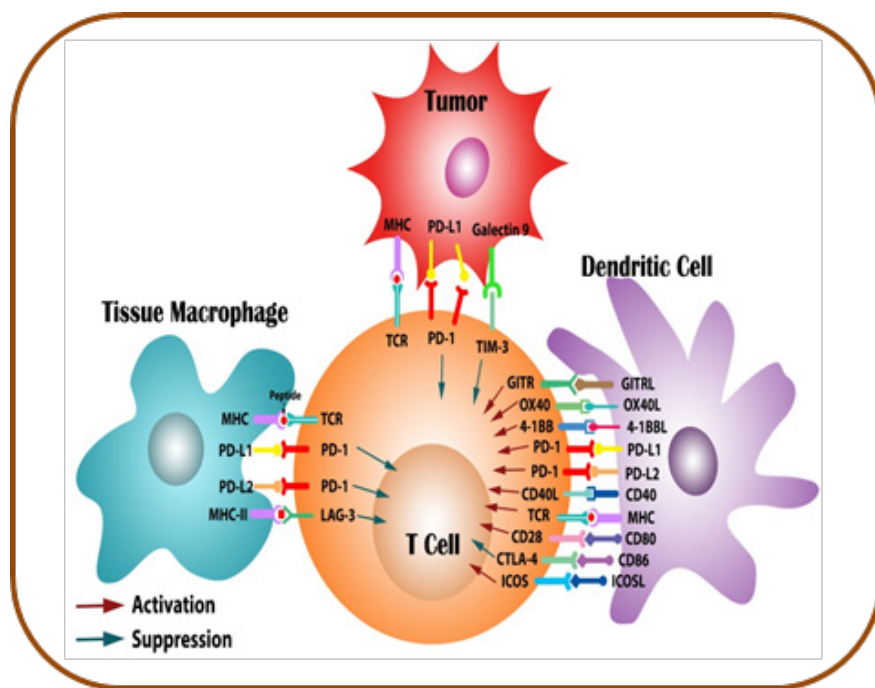


Immune Checkpoint Inhibitors



Much of the recent advancement in the field of tumor immunology and immunotherapy has been generated by the recognition that immune checkpoint proteins can be blocked by human antibodies. Immune checkpoint pathways involve both costimulatory and inhibitory proteins. The costimulatory receptors transduce signals to promote immunity against pathogens. The inhibitory receptors, on the other hand, negatively regulate T-cell activation to prevent excessive inflammation. Immunomodulatory antibodies directed against cytotoxic T lymphocyte antigen-4 (CTLA-4) and programmed death-1 (PD-1), have demonstrated significant promise in the treatment of melanoma and other tumor types.

These agents are commonly called “checkpoint inhibitors” because they block normally negative regulators of T cell immunity. Numerous other immune checkpoint pathways that could be the target of novel therapies have been identified and are currently under development for clinical testing. BioVision offers a comprehensive collection of immune checkpoint proteins and antibodies to support immune checkpoint blockade research. These products have demonstrated consistent and excellent performance in a variety of assays.

Checkpoint Blocking Antibodies

Product Name	Cat. No.	Size	Host	Species	Application
4-1BBL Antibody	5369	30 µg, 100 µg	Rb	hu	WB, IHC
BTLA Polyclonal Antibody	A1082	50 µg	Rb	hu	WB, IHC, IF
CD137 Polyclonal Antibody	A1088	100 µl	Rb	hu	WB, ELISA, IF
CD137/4-1BB Antibody	A1087	50 µl	Rb	hu, ms, rt	IHC
CD223 (LAG3) Polyclonal Antibody	A1067	100 µg	Rb	hu, ms	WB, IHC, FC
CD27 Polyclonal Antibody	A1074	100 µg	Rb	hu	WB, FC
CD28 Polyclonal Antibody	A1076	100 µg	Rb	hu	WB, ELISA
CTLA4 Polyclonal Antibody	A1083	100 µl	Rb	hu	WB, IHC
GITR / TNFSF18 Monoclonal Antibody	A1086	50 µg	Ms	hu	WB
GITR / TNFSF18 Polyclonal Antibody	A1085	100 µl	Rb	hu	WB
HVEM / TNFRSF14 Antibody	A1084	50 µg	Rb	hu, ms	WB, IHC, IF

155 S. Milipitas Blvd, Milipitas, CA 95035

T: 408-493-1800 F: 408-493-1801

Toll Free: 800-891-9699 (US Only)



Checkpoint Blocking Antibodies

Product Name	Cat. No.	Size	Host	Species	Application
OX40 Antibody	3890	100 µg	Rb	Rt	WB
PD-1/PDCD1 Antibody	6931	50 µg	Rb	hu	WB, ELISA
Tim-3 Antibody	3808	100 µg	Rb	hu	WB, IHC

Immune Checkpoint Proteins

Product Name	Cat. No.	Size	Source
Human CellExp™ 4-1BB Ligand/TNFSF9, Human recombinant	9240	10 µg, 25 µg	HEK293 cells
4-1BB Receptor, human recombinant	4370	100 µg, 1000 µg	E. coli
Human CellExp™ B7-2 /CD86, Human recombinant	7496	10 µg, 50 µg	HEK293 cells
Human CellExp™ B7-H3 / CD276, Human recombinant	9239	10 µg, 50 µg	HEK293 cells
Human CellExp™ B7-H5 / VISTA, Human recombinant	9242	10 µg, 50 µg	HEK293 cells
Human CellExp™ BTLA, Human recombinant	9228	10 µg, 50 µg	HEK293 cells
Human CellExp™ CD155, human recombinant	7462	10 µg, 50 µg	HEK293 cells
Human CellExp™ CD160/BY55, human recombinant	7386	10 µg, 50 µg	HEK293 cells
Human CellExp™ CD172A / SIRP, human recombinant	7506	10 µg, 50 µg	HEK293 cells
CD226, human recombinant	7310	100 µg	E. coli
Human CellExp™ CD244 / 2B4 / SLAMF4, Human recombinant	7374	10 µg, 50 µg	HEK293 cells
Human CellExp™ CD27 / TNFRSF7, Human recombinant	9243	25 µg, 100 µg	HEK293 cells
Human CellExp™ CD273 / B7-DC / PD-L2, Human recombinant	7369	10 µg, 50 µg	HEK293 cells
Human CellExp™ CD28, Human recombinant	9237	10 µg, 50 µg	HEK293 cells
CD40Ligand/TRAP, human recombinant	4014	10 µg, 1000 µg	E. coli
Human CellExp™ CD47, Human recombinant	7385	10 µg	HEK293 cells
Human CellExp™ CD80, Human recombinant	7383	10 µg, 50 µg	HEK293 cells
Human CellExp™ CTLA4/CD152, human recombinant	7476	20 µg, 100 µg	HEK293 cells
Human CellExp™ GITR / TNFRSF18, Human recombinant	9231	10 µg, 50 µg	HEK293 cells
Human CellExp™ Human CD40/ TNFRSF5, Human recombinant	9230	10 µg, 50 µg	HEK293 cells
Human CellExp™ LAG3 /CD223, Human recombinant	7278	10 µg, 50 µg	HEK293 cells
Human CellExp™ HVEM/TNFRSF14, Human recombinant	7466	20 µg, 100 µg	HEK293 cells
Human CellExp™ ICOS / CD278, Human recombinant	9238	10 µg, 100 µg	HEK293 cells
Human CellExp™ ICOSLG /B7-H2 /CD275, Human recombinant	7426	20 µg, 100 µg	HEK293 cells
Human CellExp™ OX40 Ligand / TNFSF4, Human recombinant	9244	10 µg, 50 µg	HEK293 cells
Human CellExp™ PD-1 /PDCD1, C-Fc Tag, Human recombinant	7500	10 µg, 50 µg	HEK293 cells
Human CellExp™ PD-1 /PDCD1, C-Fc Tag, Mouse recombinant	7503	10 µg, 50 µg	HEK293 cells
Human CellExp™ PD-1 /PDCD1, Human recombinant	7498	10 µg, 50 µg	HEK293 cells
Human CellExp™ PD-1 /PDCD1, Mouse recombinant	7499	10 µg, 50 µg	HEK293 cells
PD-1/PDCD1, Human Recombinant	P1024	10 µg, 50 µg	E. coli
Human CellExp™ PD-L1 /CD274 /B7-H1, Human recombinant	7429	10 µg, 50 µg	HEK293 cells
Human CellExp™ PD-L1 /CD274 /B7-H1, Mouse recombinant	7428	10 µg, 50 µg	HEK293 cells
PD-L1 /CD274, Human Recombinant	P1023	10 µg, 50 µg	E. coli

Immune Checkpoint Proteins

Product Name	Cat. No.	Size	Source
sCD27 Ligand, Human Recombinant	7125	10 µg, 50 µg	E. coli
Human CellExp™ TIGIT, human recombinant	8015	10 µg	HEK293 cells
Human CellExp™ TIM3/HAVR2 Protein, Human Recombinant	P1002	20 µg, 100 µg	HEK293 cells
Human CellExp™ TNFRSF4/OX40 /CD134, human recombinant	7438	10 µg	HEK293 cells
Human CellExp™ VTCN1, Human recombinant	7412	10 µg, 50 µg	HEK293 cells

Please visit www.biovision.com for a comprehensive overview on our products.