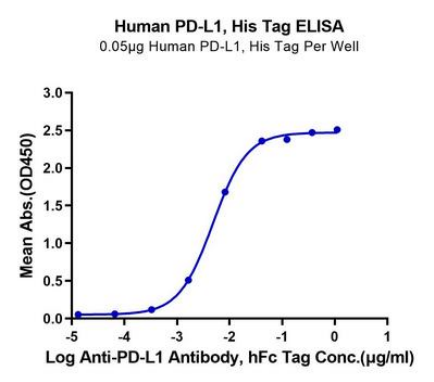
Bioactive CellTx™ HuPro®

CD274 (Human) Recombinant Protein

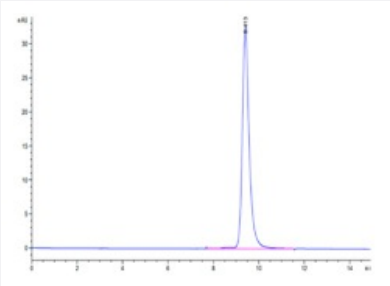
Catalog # P9715 Size 100 ug

Applications



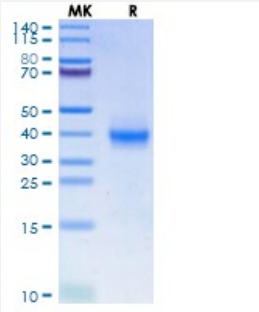
Enzyme-linked Immunoabsorbent Assay

Immobilized Human PD-L1, His Tag at 0.5 ug/mL (100 uL/well) on the plate. Dose response curve for Anti-PD-L1 Antibody, hFc Tag with the EC50 of 4.8 ng/mL determined by ELISA.



SEC-HPLC

The purity of Human PD-L1 is greater than 95% as determined by SEC-HPLC.



Tris-Bis PAGE

Human PD-L1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

Specification

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Product Description	Human CD274 (Q9NZQ7-1, 19 a.a. - 226 a.a.) partial recombinant protein with His tag at C-terminus expressed in HEK293 cells.
Sequence	FTVTVPKDLYVVEYGSNMTIECKFPVEKQLDLAALIVYWEMEDKNIIQFVHGEEDLKVQHSSYRQR ARLLKDQLSLGNAALQITDVKLQDAGVYRCMISYGGADYKRITVKVNAPYNKINQRILVVDPVTSEH ELTCQAEGYPKAEVIWTSSDHQVLSGKTTTTNSKREEKLFNVTSTLRINTTTNEIFYCTFRRLDPEE NHTAELVI
Host	Human
Theoretical MW (kDa)	24.93
Form	Liquid
Preparation Method	Mammalian cell (Expi293, high-yield transient HEK293) expression system
Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	The EC_{50} was 4.8 ng/mL, messured by ELISA at 0.5 ug/mL.
Quality Control Testing	SEC-HPLC and Tris-Bis PAGE SEC-HPLC The purity of Human PD-L1 is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human PD-L1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.
Recommend Usage	Biological Activity ELISA SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS pH 7.4
Storage Instruction	Store at -80°C for 12 Month. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis

Applications

- Functional Study
- Enzyme-linked Immunoabsorbent Assay

  Immobilized Human PD-L1, His Tag at 0.5 ug/mL (100 uL/well) on the plate. Dose response curve for Anti-PD-L1 Antibody, hFc Tag with the EC50 of 4.8 ng/mL determined by ELISA.

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- SDS-PAGE

Gene Info — CD274

Entrez GeneID	29126
Protein Accession#	Q9NZQ7-1
Gene Name	CD274
Gene Alias	B7-H, B7H1, MGC142294, MGC142296, PD-L1, PDCD1L1, PDCD1LG1, PDL1
Gene Description	CD274 molecule
Omim ID	605402
Gene Ontology	Hyperlink
Other Designations	CD274 antigen|OTTHUMP00000021029|programmed cell death 1 ligand 1

Pathway

- Cell adhesion molecules (CAMs)

Disease

- Addison Disease
- Arthritis
- Autoimmune Diseases
- Diabetes Mellitus
- Genetic Predisposition to Disease
- Graves Disease
- Lupus Erythematosus
- Multiple Sclerosis
- Narcolepsy

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- Rheumatoid Nodule

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