Product datasheet for TP721259

CD274 Human Recombinant Protein

Product data:

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Product Type:	Recombinant Proteins
Description:	Human PD-L1 Protein (C-Fc)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	Phe19-Thr239
Tag:	C-Fc
Predicted MW:	The protein has a predicted molecular weight of 53kDa. The protein migrates at approximately 70kDa on SDS-PAGE with DTT-reduced conditions.
Concentration:	25µg size is bottled at 0.2mg/mL concentration. 100 µg size is bottled at lot specific concentration.
Purity:	>90%
Buffer:	1xPBS buffer, pH7.4
Bioactivity:	Positive
	The definition of the active protein (purified and biotinylated) is defined as the protein that can bind to its biological receptor/ligand. For conjugated protein, it is defined with its function to bind to the ScFv of the active CAR-transfected cells in flow cytometry test.
Preparation:	Affinity Protein A
Applications:	ELISA
Storage:	An unopened vial can be stored at 4°C for 2 weeks or at -20°C and below for six months. This stock solution should be aliquoted and stored at ≤ -70°C to minimize the freeze/thaw cycles.
Stability:	6 Months
RefSeq:	NP_054862.1
Locus ID:	29126
UniProt ID:	Q9NZQ7

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Product images:
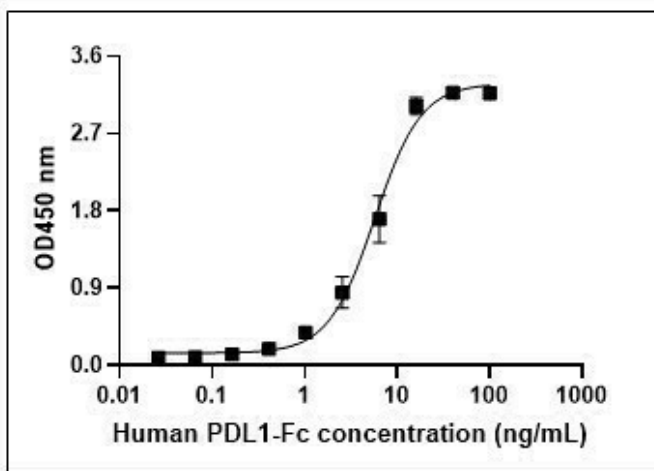
Functional ELISA assay: Streptavidin is immobilized at 2ug/mL, 100 µL/well. Followed by biotinylated Human PD1 (C-His-Avi) at 0.5ug/mL and a series dilution of recombinant Human PD-L1 (C-Fc). HRP Anti-hIgG1 secondary antibody (1:5000) is used as detection reagent. The results showed 50% of the optimal binding response is approximately 6 ng/mL.
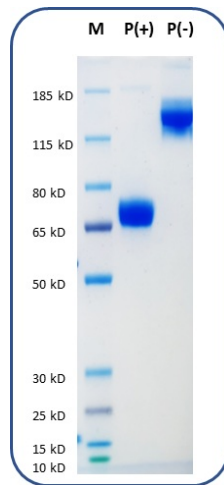
Human PD-L1 protein (C-Fc) on SDS-PAGE under reducing condition P(+) and non-reducing condition P(-) . The purity of this protein appears to be greater than 95% based on Coomassie-blue staining.