Recombinant Human CD274 protein, His-Avi-tagged, Biotinylated

Cat. No. CD274-1283H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD274 Protein (Q9NZQ7-1, 19-238aa), was expressed in HEK293 with C-terminal His tag, Avi tag and biotinylated conjugate.
Species	Human
Source	HEK293
ProteinLength	19-238 aa
Tag	C-His-Avi
Conjugation/Label	Biotin
Form	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Biotinylated Human PD-L1, His Tag at 1μg/ml (100μl/well) on the streptavidin precoated plate (5μg/ml). Dose response curve for Human PD-1, hFc Tag with the EC50 of 29.3ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 28.1 kDa. Due to glycosylation, the protein migrates to 35-45 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.

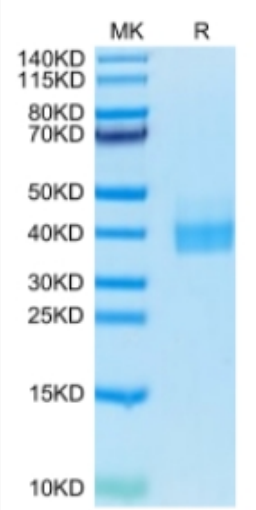
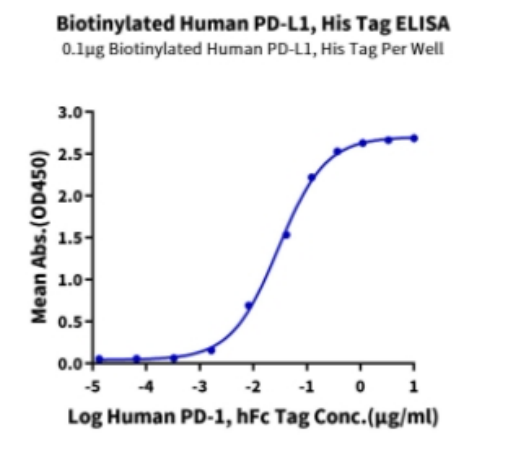
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Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Storage	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Conjugation	Biotin

GENE INFORMATION

Gene Name	CD274 CD274 molecule [Homo sapiens]
Official Symbol	CD274
Synonyms	CD274; CD274 molecule; CD274 antigen , PDCD1LG1, programmed cell death 1 ligand 1; programmed cell death 1 ligand 1; B7 homolog 1; B7 H; B7 H1; B7H1; PD L1; PDL1; CD274 antigen; PDCD1 ligand 1; programmed death ligand 1; B7-H; PD-L1; PDCD1L1; PDCD1LG1; MGC142294; MGC142296;
Gene ID	29126
mRNA Refseq	NM_014143
Protein Refseq	NP_054862
MIM	605402
UniProt ID	Q9NZQ7

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Tris-Bis PAGE	
ELISA Data	

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