

Biotinylated Recombinant Human CD274 Protein, His and Avi tagged

Cat. No. CD274-0622H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD274 Protein (19-134aa), was expressed in HEK293 with His tag and Avi tag , and biotinylated conjugate.
Species	Human
Source	HEK293
ProteinLength	19-134 aa
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Biotinylated Human PD-L1 (19-134), His,Avitag at 1 µg/mL (100 µL/well) on Streptavidin precoated (0.5 µg/well) plate, can bind Human PD-1, Mouse IgG2a Fc Tag (HPLC-verified) with a linear range of 0.8-13 ng/mL. Immobilized Biotinylated Human PD-L1 (19-134), His,Avitag at 1 µg/mL (100 µL/well) on Streptavidin precoated (0.5 µg/well) plate, can bind Anti-PD-L1 MAb, Human IgG1 with a linear range of 0.2-6 ng/mL.
Molecular Mass	This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag).The protein has a calculated MW of 16.9 kDa. The protein migrates as 19 kDa and 21 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Proteinlength	Phe19-Tyr134
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
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

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MIM	605402
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UniProt ID	Q9NZQ7
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