

# Active Recombinant Human CD274 protein, Fc-Avi-tagged, Biotinylated

**Cat. No.** CD274-1284H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human CD274 Protein (19-238aa), was expressed in HEK293 with Fc tag, Avi tag and biotinylated conjugate.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	19-238 aa
<b>Form</b>	Lyophilized from 0.22 µm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5, 10% trehalose.
<b>Bio-activity</b>	Immobilized Human PD-1, Fc Tag, low endotoxin at 2 µg/mL (100 µL/well) can bind Biotinylated Human PD-L1, Fc,Avitag with a linear range of 2-156 ng/mL. Immobilized Biotinylated Human PD-L1, Fc,Avitag at 1 µg/mL (100 µL/well) on Streptavidin precoated (0.5 µg/well) plate, can bind Anti-Human PD-L1 MAb with a linear range of 0.1-3 ng/mL.
<b>Molecular Mass</b>	This protein carries a human IgG1 Fc tag at the C-terminus, followed by an Avi tag (Avitag).The protein has a calculated MW of 53.6 kDa. The protein migrates as 60-66 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
<b>Endotoxin</b>	Less than 1.0 EU per µg by the LAL method.

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

<b>Purity</b>	>90% as determined by SDS-PAGE. >90% as determined by SEC-MALS.
<b>Storage</b>	For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
<b>Reconstitution</b>	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.
<b>Conjugation</b>	Biotin

## GENE INFORMATION

<b>Gene Name</b>	CD274 CD274 molecule [ Homo sapiens ]
<b>Official Symbol</b>	CD274
<b>Synonyms</b>	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;
<b>Gene ID</b>	29126
<b>mRNA Refseq</b>	NM_014143
<b>Protein Refseq</b>	NP_054862
<b>MIM</b>	605402

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UniProt ID

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