

# 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.

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<b>Proteinlength</b>	Phe19-Tyr134
<b>Endotoxin</b>	Less than 1.0 EU per µg by the LAL method.
<b>Purity</b>	>90% as determined by SDS-PAGE.
<b>Storage</b>	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
<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

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<b>MIM</b>	605402
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<b>UniProt ID</b>	Q9NZQ7
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