

Recombinant Human CD274 Protein, mFc tagged

Cat. No. CD274-1003H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD274 Protein (19-238aa), was expressed in HEK293 with mFc tag.
Species	Human
Source	HEK293
ProteinLength	19-238 aa
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Bio-activity	Immobilized Human PD-1, Strep Tag at 1 µg/mL (100 µL/well) can bind Human PD-L1 Protein, Mouse IgG1 Fc Tag with a linear range of 5-78 ng/mL. Serial dilutions of Nivolumab were added into Human PD-L1 Protein, Mouse IgG1 Fc Tag: Human PD-1, Strep Tag binding reactions. The half maximal inhibitory concentration (IC50) is 0.2391 µg/mL.
Molecular Mass	This protein carries a mouse IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 51.4 kDa. The protein migrates as 55-65 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 0.1 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE. >90% as determined by SEC-MALS.

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Storage

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.

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.

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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