

Active Recombinant Human CD274 protein, His-tagged, Biotinylated

Cat. No. CD274-592HB Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD274 Protein extracellular domain N-terminal segment (NP_054862.1, 1-239aa), was expressed in HEK293 Cells with C-terminal His tag, biotinylated conjugate.
Species	Human
Source	HEK293
ProteinLength	1-239 aa
Predicted N Terminal	Phe 19
Form	Lyophilized from sterile PBS, pH 7.4, 5% trehalose, 5% mannitol and 0.01% Tween80.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized biotinylated human B7-H1-His at 10µg/mL (100µL/well) can bind human PD1-Fch, The EC50 of human PD1-Fch is 0.1-0.3 µg/mL.
Molecular Mass	The recombinant mature human B7-H1 comprises 232 amino acids and predicts a molecular mass of 26.8 kDa. As a result of glycosylation, the human B7-H1 migrates as an approximately 35-38 kDa protein in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.

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Purity	> 95% as determined by SDS-PAGE.
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.
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

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Protein Refseq	NP_054862
MIM	605402
UniProt ID	Q9NZQ7

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