

Active Recombinant Human CD274 Protein, LIgG2b Fc-tagged, low endotoxin

Cat. No. CD274-379H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD274 Protein (Q9NZQ7-1, 19-238aa), was expressed in human 293 cells (HEK293) with C-terminal llama IgG2b Fc tag.
Species	Human
Source	HEK293
ProteinLength	19-238 aa
Form	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, pH7.5. Normally trehalose is added as protectant before lyophilization.
Bio-activity	<p>Immobilized Human PD-1, His Tag at 1 µg/mL (100 µL/well) can bind Recombinant Human CD274 Protein, LIgG2b Fc-tagged, low endotoxin with a linear range of 0.078-2.5 µg/mL (QC tested).</p> <p>Immobilized Recombinant Human CD274 Protein, LIgG2b Fc-tagged, low endotoxin at 2 µg/mL (100 µL/well) can bind Biotinylated Human PD-1, Fc Tag with a linear range of 20-313 ng/mL (Routinely tested).</p>
Molecular Mass	53.0 kDa
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.

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Notes	Please avoid repeated freeze-thaw cycles.
Stability	No activity loss is observed after storage at: 4-8 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name	CD274 CD274 molecule [Homo sapiens]
Official Symbol	CD274
Synonyms	CD274; CD274 molecule; B7 homolog 1; B7 H; B7 H1; B7H1; PD L1; PDL1; CD274 antigen; PDCD1 ligand 1; B7-H; PD-L1; PDCD1L1; PDCD1LG1; MGC142294; MGC142296;
Gene ID	29126
mRNA Refseq	NM_014143
Protein Refseq	NP_054862
MIM	605402

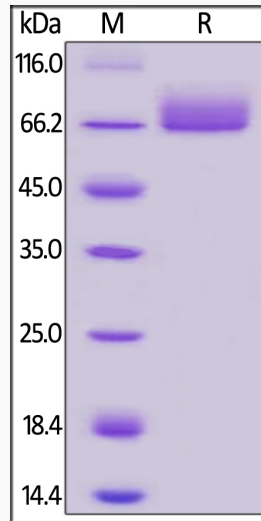
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UniProt ID

Q9NZQ7



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