

Active Recombinant Human CD274 protein, His-tagged

Cat. No. CD274-0127H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD274 protein(Phe19-Thr239), fused with C-terminal His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	19-239 aa
Form	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Bio-activity	1. Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human PD-L1 at 10 µg/mL (100 µL/well) can bind Recombinant Human PD-1 with a linear range of 0.25-1.02 µg/mL. 2. Measured by its binding ability in a functional ELISA. Immobilized PE anti-human CD274 (B7-H1, PD-L1) Antibody at 1µg/mL (25 µL/well) can bind Human CD274 with a linear range of 0.46-18ng/mL.
Molecular Mass	26.14 kDa
Endotoxin	< 0.1 EU/µg of the protein by LAL method.
Purity	≥ 95 % as determined by SDS-PAGE; ≥95 % as determined by HPLC.
Storage	Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months,

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at 2-8°C for up to 1 week.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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](#)

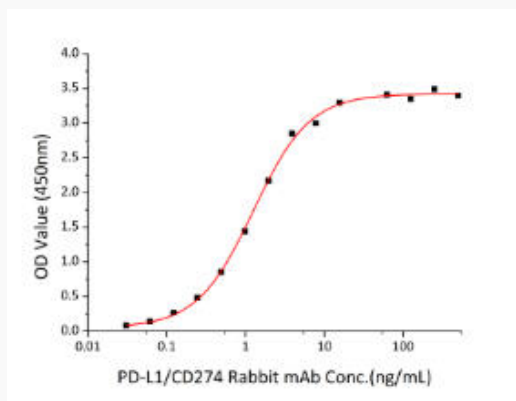
UniProt ID [Q9NZQ7](#)

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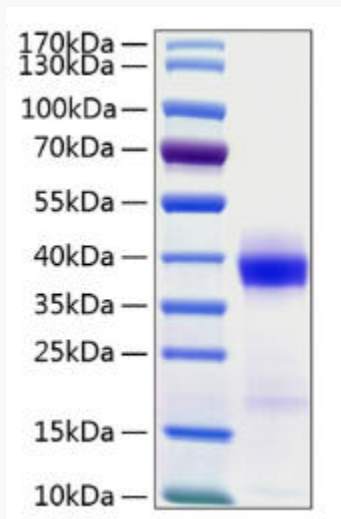
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Activity



SDS-PAGE



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