

Active Recombinant Human CD274 protein, His/Fc-tagged, Biotinylated

Cat. No. CD274-8230H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD274 Protein (19-238aa), was expressed in HEK293 with C-terminal His tag, Fc tag and biotinylated conjugate.
Species	Human
Source	HEK293
ProteinLength	19-238 aa
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally Mannitol or Trehalose are added as protectants before lyophilization.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized Human PD-1, Fc Tag at 2 µg/mL can bind Biotinylated Human PD-L1, His Tag & Fc Tag with a linear range of 0.01-1 µg/mL.
Endotoxin	Less than 1.0 EU per µg of the Biotinylated Human PD-L1, His Tag & Fc tag by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Applications	ELISA, western blotting, inhibition assay, pull-down, SPR, FACS, and affinity purification, together with anti-biotin antibody, streptavidin or avidin-conjugated probes.

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Storage Avoid repeated freeze-thaw cycles.No activity loss was observed after storage at:In lyophilized state for 1 year (4 centigrade); After reconstitution under sterile conditions for 3 months (-70 centigrade).

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

Protein Refseq NP_054862

MIM 605402

UniProt ID Q9NZQ7

Chromosome Location 9p24.1

Pathway Adaptive Immune System, organism-specific biosystem; Cell adhesion molecules

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(CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Costimulation by the CD28 family, organism-specific biosystem; Immune System, organism-specific biosystem; PD-1 signaling, organism-specific biosystem;

Function

protein binding; protein tyrosine phosphatase activity; receptor activity;

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