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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