

Active Recombinant Mouse Cd274, Fc-tagged, Biotinylated

Cat. No. Cd274-721M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse PD-L1 (CD274) Protein extracellular domain (Q9EP73, 19-238aa), was expressed in Human Cells with C-terminal human IgG1 Fc tag.
Species	Mouse
Source	Human Cells
ProteinLength	19-238 aa
Form	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier & preservative free). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule).
Bio-activity	Binds to its receptor PD-1 and anti-PD-L1 monoclonal antibody. Blocks PD-L1's binding to its receptor and mediated signaling activity. Shows cross-species binding to human PD-1 and human CD80 in a functional ELISA
Molecular Mass	Calculated molecular mass 51.5 kDa; estimated by SDS-PAGE under reducing condition 60-65 kDa suggesting that the protein is highly glycosylated
Endotoxin	<0.1 eu="" per="" 1="" μg="" of="" purified="" recombinant="" protein="" determined="" by="" the="" lal="">
Purity	>95% judged by SDS-PAGE under reducing condition
Storage	The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before

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opening the vial. It is recommended to store small aliquots at the temperature below –20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.

Conjugation Biotin

GENE INFORMATION

Gene Name Cd274 CD274 antigen [*Mus musculus*]

Official Symbol Cd274

Synonyms CD274; CD274 antigen; programmed cell death 1 ligand 1; B7 homolog 1; PDCD1 ligand 1; programmed death ligand 1; B7h1; Pdl1; Pdcd1l1; Pdcd1lg1; A530045L16Rik;

Gene ID 60533

mRNA Refseq NM_021893

Protein Refseq NP_068693

MIM

UniProt ID

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

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Function	protein binding; receptor activity;
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