

Active Recombinant Mouse Interleukin CD274, MIgG2a Fc-tagged, mutant

Cat. No. CD274-189M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse CD274 [B7-H1] Protein extracellular domain (NP_068693.1, 19-237aa), was expressed in CHO cell with N-terminal mutant mouse IgG2a Fc tag.
Species	Mouse
Source	CHO
ProteinLength	19-237 aa
Description	CD274 (CD274 molecule) is a protein-coding gene. Diseases associated with CD274 include pulmonary venoocclusive disease, and htlv-1 associated myelopathy/tropical spastic paraparesis, and among its related super-pathways are Immune System and Phosphorylation of CD3 and TCR zeta chains. GO annotations related to this gene include protein binding
Form	Lyophilized from 0.2µm-filtered solution in PBS.
Bio-activity	Measured by its ability to inhibit anti-CD3-induced proliferation of stimulated mouse T cells.
Molecular Mass	53 KDa
AA Sequence	Phe19-Arg237

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Endotoxin	<0.06 eu/μg as determined by latex test.>
Purity	≥98%, by SDS-PAGE under reducing conditions.
Stability	Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.
Reconstitution	Reconstitute at 100μg/ml in sterile PBS.
Warning	Avoid freeze/thaw cycles.

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; PD1CD1 ligand 1; programmed death ligand 1; B7h1; Pdl1; Pdcd1l1; Pdcd1lg1; A530045L16Rik;
Gene ID	60533
mRNA Refseq	NM_021893
Protein Refseq	NP_068693
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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