Recombinant Mouse CD274 Antigen, His-tagged

Cat. No. Cd274-6957M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse CD274 Protein, was expressed in E. coli with N-terminal His tag (purified via conventional chromatography).
Species	Mouse
Source	E.coli
ProteinLength	19-239 aa
Description	Cd274, also known as programmed cell death 1 ligand 1(PDCD1L1), is involved in the costimulatory signal, essential for T-cell proliferation and production of IL10 and IFNG, in an IL2-dependent and a PDCD1-independent manner. This protein interacts with PDCD1 inhibits T-cell proliferation and cytokine production.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 0.15M NaCl.
Molecular Mass	27.6 kDa (246aa), confirmed by MALDI-TOF (Molecular size on SDS-PAGE will appear higher).
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMFTITA PKDLYVVEYG SNVTMECRFP VERELDLLAL VVYWEKEDEQ VIQFVAGEED LKPQHSNFRG RASLPKDQLL KGNAALQITD VKLQDAGVYC CIISYGGADY KRITLKVNAP YRKINQRISV DPATSEHELI CQAEGYPEAE VIWTNSDHQP VSGKRSVTTS RTEGMLLNVT SSLRVNATAN DVFYCTFWRS QPGQNHTAEL IIPELPATHP PQNRTH

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Purity	>85% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by Bradford assay)

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
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;
Function	protein binding; receptor activity;

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