

Recombinant Mouse Cd274 protein, His & T7-tagged

Cat. No. Cd274-7691M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Cd274 Protein (Q9EP73, 48-290aa), was expressed in E. coli with N-terminal His tag and T7 tag.
Species	Mouse
Source	E.coli
ProteinLength	48-290 aa
Description	The protein encoded by this gene is an immune inhibitory receptor ligand that is expressed by hematopoietic and non-hematopoietic cells, such as T cells and B cells and various types of tumor cells. The encoded protein is a type I transmembrane protein that has immunoglobulin V-like and C-like domains. Interaction of this ligand with its receptor inhibits T-cell activation and cytokine production. During infection or inflammation of normal tissue, this interaction is important for preventing autoimmunity by maintaining homeostasis of the immune response. In tumor microenvironments, this interaction provides an immune escape for tumor cells through cytotoxic T-cell inactivation. Mice deficient for this gene display a variety of phenotypes including decreased allogeneic fetal survival rates and severe experimental autoimmune encephalomyelitis.
Form	Freeze-dried powder
Molecular Mass	38kDa as determined by SDS-PAGE reducing conditions.

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Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.4.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH2O.
GENE INFORMATION	
Gene Name	Cd274 CD274 antigen [<i>Mus musculus</i> (house mouse)]
Official Symbol	Cd274
Synonyms	B7h1; Pdl1; Pdcd1l1; Pdcd1lg1; A530045L16Rik; B7 homolog 1; PDCD1 ligand 1; programmed cell death 1 ligand 1
Gene ID	60533

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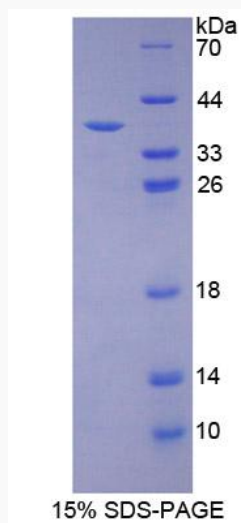
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mRNA Refseq NM_021893.3

Protein Refseq NP_068693.1

UniProt ID Q9EP73

SDS-PAGE



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