

Recombinant Mouse Cd274 Protein, Fc-tagged

Cat. No. Cd274-2059M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse PD-L1 (CD274) Protein, was expressed in human cells with C-terminal Fc tag (purified recombinant protein).
Species	Mouse
Source	HEK293
ProteinLength	19-238 aa
Description	<p>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.</p>
Molecular Mass	50 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	PBS, pH 7.4, 10% glycerol

GENE INFORMATION

Gene Name	Cd274 CD274 antigen [<i>Mus musculus</i> (house mouse)]
Official Symbol	Cd274
Synonyms	Cd274; CD274 antigen; PD-; B7h1; Pdl1; Pdcd1l; Pdcd1l1; Pdcd1lg1; A530045L16Rik
Gene ID	60533
mRNA Refseq	NM_021893
Protein Refseq	NP_068693
UniProt ID	Q9EP73

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