

## Recombinant Mouse CD274 Protein, Fc-tagged

Cat. No. CD274-713M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse CD274 Protein, was expressed in HEK293 with Fc tag.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	290
<b>Description</b>	<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>
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	51.4 kDa
<b>AA Sequence</b>	MRIFAGIIFTACCHLLRAFTITAPKDLVVVEYGSNVTMECRFPVERELDLLALVVYWEK

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EDEQVIQFVAGEEDLKPQHSNFRGRASLPKDQLLKGNAALQITDVKLQDAGVYCCII  
 SYGGADYKRITLKVNPYRKINQRISVDPATSEHELICQAEGYPEAEVIWTNSDHQPV  
 SGKRSVTTSRTEGMLLNVTSSLRVNATANDVFYCTFWRSQPGQNHTAELIPELPAT  
 HPPQNRTHWVLLGSILLFLIVVSTVLLFLRKQVRMLDVEKCGVEDTSSKNRNDTQFE  
 ET

**Purity** > 98%

**Applications** WB; ELISA; FACS; FC

**Stability** This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

**Storage** At -20 centigrade.

**Concentration** 1 mg/mL

**Storage Buffer** PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

**Reconstitution** Reconstitute in sterile distilled H<sub>2</sub>O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

## GENE INFORMATION

**Gene Name** Cd274 CD274 antigen [ *Mus musculus* (house mouse) ]

**Official Symbol** CD274

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<b>Synonyms</b>	CD274; CD274 antigen; programmed cell death 1 ligand 1; B7 homolog 1; PDCD1 ligand 1; programmed death ligand 1; B7h1; Pdl1; Pdc111; Pdc11g1; A530045L16Rik;
<b>Gene ID</b>	<a href="#">60533</a>
<b>mRNA Refseq</b>	<a href="#">NM_021893</a>
<b>Protein Refseq</b>	<a href="#">NP_068693</a>
<b>UniProt ID</b>	<a href="#">Q9EP73</a>

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