

RP00660

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# Recombinant Mouse B7-DC/PD-L2/CD273 Protein

Catalog No.: RP00660

Recombinant

## Sequence Information

Species	Gene ID	Swiss Prot
Mouse	58205	Q9WUL5

**Tags**  
C-Fc

### Synonyms

B7-DC;B7DC;bA574F11.2;Btdc;CD273;PD-L2;PDCD1L2;PDL2;PDCD1LG2

## Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

### Endotoxin

< 1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4. Contact us for customized product form or formulation.

### Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

## Background

Programmed cell death 1 ligand 2 (PD-L2) belongs to the member of B7 family which can regulate the activation and tolerance of T cells. PD-L2 is one ligand for Programmed cell death 1 (PD-1), and the other is PD-L1. These two ligands share 34% aa sequence identity. The mouse PD-L2 gene is highly expressed in heart, placenta, pancreas, lung and liver while expressed weakly in spleen, lymph nodes and thymus. Besides, the expression of PD-L2 gene can be induced on dendritic cells grown from peripheral blood mononuclear cells under CSF2 and IL4/interleukin-4 treatment, and up-regulated by IFNγ/IFN-gamma stimulation in monocytes. PD-L2 usually functions in a PDCD1-independent manner and is involved in regulating costimulatory signals which is essential for T-cell proliferation and IFNγ production. Recent studies demonstrate that the expression of PD-L2 on the tumor cells promotes CD8 T cell-mediated rejection of tumor cells, at both the induction and effector phase of antitumor immunity. Moreover, PD-L2 binds to PD-1 cells and enhances T cell killing in a PD-1-independent mechanism.

## Basic Information

### Description

Recombinant Mouse PD-L2/B7-DC/CD273 Protein is produced by Human cells expression system. The target protein is expressed with sequence (Leu20-Arg219) of mouse PD-L2/B7-DC/CD273 (Accession #Q9WUL5) fused with an Fc tag at the C-terminus.

### Bio-Activity

### Storage

Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

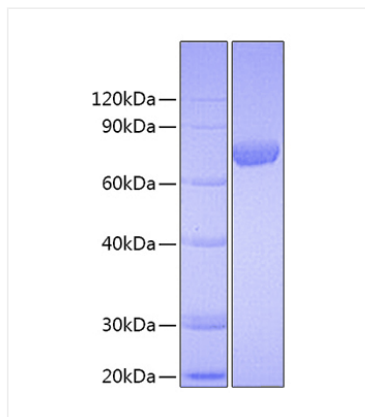
## Contact



[www.abclonal.com](http://www.abclonal.com)

## Validation Data

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Recombinant Mouse B7-DC/PD-L2/CD273  
Protein was determined by SDS-PAGE under  
reducing conditions with Coomassie Blue.