

# Active Recombinant Mouse Pdcd1lg2, Fc-tagged, Biotinylated

**Cat. No.** Pdcd1lg2-722M    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	The recombinant mouse PD-L2-Fc fusion is expressed as a 438 amino acid protein consisting of Leu20 - Thr220 region of mouse PD-L2 (UniProt accession #Q9WUL5) and a C-terminal Fc from human IgG1, which exists as a dimer under non-reducing conditions.
<b>Source</b>	Human cells
<b>Species</b>	Mouse
<b>Tag</b>	Fc
<b>Form</b>	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier & preservative free). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule).
<b>Bio-activity</b>	Binds to its receptor PD-1 in a functional ELISA. Blocks the ligand PD-L1's and PD-L2's binding to its receptor and mediated signaling activity. Shows cross-species binding to human PD-1.
<b>Molecular Mass</b>	Calculated molecular mass 49.2 kDa; estimated by SDS-PAGE under reducing condition ~60 kDa (probably due to glycosylation)
<b>Endotoxin</b>	<0.1 eu per 1 µg of purified recombinant protein determined by the lal>
<b>Purity</b>	>95% judged by SDS-PAGE under reducing condition

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**Storage**

The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below –20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	Pdcd1lg2 programmed cell death 1 ligand 2 [ <i>Mus musculus</i> ]
<b>Official Symbol</b>	Pdcd1lg2
<b>Synonyms</b>	PD_CD1LG2; programmed cell death 1 ligand 2; PD-1 ligand 2; PDCD1 ligand 2; butyrophilin B7-DC; butyrophilin-like protein; programmed death ligand 2; Btdc; B7-DC; PD-L2; F730015O22Rik; MGC124039; MGC124040;
<b>Gene ID</b>	58205
<b>mRNA Refseq</b>	NM_021396
<b>Protein Refseq</b>	NP_067371
<b>MIM</b>	
<b>UniProt ID</b>	
<b>Pathway</b>	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;
<b>Function</b>	protein binding; receptor activity;

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