

Active Recombinant Mouse Pdcd1Ig2, Fc-tagged, Biotinylated

Cat. No. Pdcd1Ig2-722M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	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.
Species	Mouse
Source	Human Cells
ProteinLength	20-220 a.a.
Form	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).
Bio-activity	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.
Molecular Mass	Calculated molecular mass 49.2 kDa; estimated by SDS-PAGE under reducing condition ~60 kDa (probably due to glycosylation)
Endotoxin	<0.1 eu="" per="" 1="" μg="" of="" purified="" recombinant="" protein="" determined="" by="" the="" lal="">
Purity	>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.

Conjugation Biotin

GENE INFORMATION

Gene Name [Pdccl1lg2 programmed cell death 1 ligand 2 \[Mus musculus \]](#)

Official Symbol [Pdccl1lg2](#)

Synonyms PDCD1LG2; 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;

Gene ID [58205](#)

mRNA Refseq [NM_021396](#)

Protein Refseq [NP_067371](#)

MIM

UniProt ID

Pathway 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;

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Function	protein binding; receptor activity;
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