

Active Recombinant Mouse Pdcd1lg2 protein, hFc-tagged

Cat. No. Pdcd1lg2-1973M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Pdcd1lg2 protein(Q9WUL5)(Met1-Arg219), fused with hFc tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Arg219
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	1. Measured by its binding ability in a functional ELISA.2. Immobilized human PD1-His at 10 µg/mL (100 µl/well) can bind mouse PD-L2-Fc, The EC50 of mouse PD-L2-Fc is 0.95 µg/mL.
Molecular Mass	The recombinant mouse PDCD1LG2/Fc is a disulfide-linked homodimer. The reduced monomer comprises 441 amino acids and has a calculated molecular mass of 49.5 kDa. As a result of glycosylation, the apparent molecular mass of the monomer is approximately 60 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method

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Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Pdcd1lg2 programmed cell death 1 ligand 2 [<i>Mus musculus</i>]
Official Symbol	Pdcd1lg2
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

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