

Active Recombinant Mouse Pdcd1, MlgG2a Fc-tagged

Cat. No. Pdcd1-041M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The extracellular domain of mouse CD279 [PD-1] (NP_032824.1) (Glu26-Met169) is fused to the Fc region of mouse Ig2a.
Species	Mouse
Source	CHO
ProteinLength	26-169 a.a.
Description	This gene encodes a cell surface membrane protein of the immunoglobulin superfamily. This protein is expressed in pro-B-cells and is thought to play a role in their differentiation. In mice, expression of this gene is induced in the thymus when anti-CD3 antibodies are injected and large numbers of thymocytes undergo apoptosis. Mice deficient for this gene bred on a BALB/c background developed dilated cardiomyopathy and died from congestive heart failure. These studies suggest that this gene product may also be important in T cell function and contribute to the prevention of autoimmune diseases.
Form	Lyophilized from 0.2µm-filtered solution in PBS.
Bio-activity	Measured by its binding ability in a functional ELISA.
Molecular Mass	43 KDa (monomer)
AA Sequence	Glu26-Met169

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Endotoxin	<0.06 eu/μg="" as="" determined="" by="" la="" test="">
Purity	>98%, by SDS-PAGE under reducing conditions.
Stability	Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.
Reconstitution	Reconstitute at 100μg/ml in sterile PBS.
Warning	Avoid freeze/thaw cycles.

GENE INFORMATION

Gene Name	Pdc1 programmed cell death 1 [Mus musculus]
Official Symbol	Pdcd1
Synonyms	PDCD1; programmed cell death 1; programmed cell death protein 1; mPD-1; protein PD-1; PD-1; Pdc1; Ly101;
Gene ID	18566
mRNA Refseq	NM_008798
Protein Refseq	NP_032824
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; T cell receptor signaling pathway, organism-specific biosystem;

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Function

protein binding;

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