

## Active Recombinant Mouse Pdcd1, MIgG2a Fc-tagged

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

### SPECIFICATION

<b>Product Overview</b>	The extracellular domain of mouse CD279 [PD-1] (NP_032824.1) (Glu26-Met169) is fused to the Fc region of mouse Ig2a.
<b>Species</b>	Mouse
<b>Source</b>	CHO
<b>ProteinLength</b>	26-169 a.a.
<b>Description</b>	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.
<b>Form</b>	Lyophilized from 0.2µm-filtered solution in PBS.
<b>Bio-activity</b>	Measured by its binding ability in a functional ELISA.
<b>Molecular Mass</b>	43 KDa (monomer)
<b>AA Sequence</b>	Glu26-Met169

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<b>Endotoxin</b>	<0.06 eu/μg="" as="" determined="" by="" lal="" test.="">
<b>Purity</b>	>98%, by SDS-PAGE under reducing conditions.
<b>Stability</b>	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.
<b>Reconstitution</b>	Reconstitute at 100μg/ml in sterile PBS.
<b>Warning</b>	Avoid freeze/thaw cycles.

## GENE INFORMATION

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

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**Function**

protein binding;

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