

---

**Product Name: PD1 Mouse Monoclonal Antibody****Catalog #: AMM82422**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB,ELISA,FC
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG2b
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,ELISA 1:5000-1:20000,FC 1:200-1:400
<b>Molecular Weight</b>	31.6kDa

**Antigen Information**

<b>Gene Name</b>	PD1
<b>Alternative Names</b>	PDCD1; PD-1; CD279; SLEB2; hPD-1; hPD-I; hSLE1
<b>Gene ID</b>	5133.0
<b>SwissProt ID</b>	Q15116
<b>Immunogen</b>	Purified recombinant fragment of human PD1 (AA: 192-288) expressed in E. Coli.

**Background**

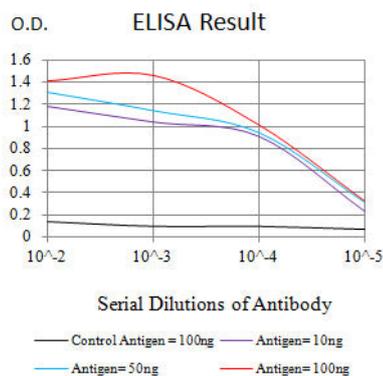
This gene encodes a cell surface membrane protein of the immunoglobulin superfamily. This protein is expressed in pro-B-cells and is thought to play a role in their differentiation. In mice, expression of this gene is induced in the thymus when anti-CD3 antibodies are injected and large numbers of thymocytes 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.

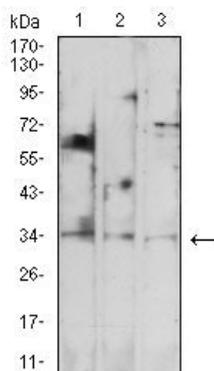
## Research Area

Apoptosis

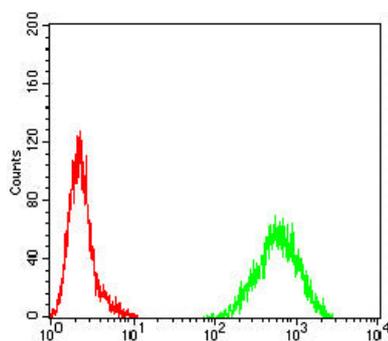
## Image Data



Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



Western blot analysis using PD1 mouse mAb against Jurkat (1), U937 (2), and Hek293 (3) cell lysate.



Flow cytometric analysis of HeLa cells using PD1 mouse mAb (green) and negative control (red).