

Product Name: PD1 Mouse Monoclonal Antibody
Catalog #: AMM82043



Summary

Production Name	PD1 Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	ICC,FC,ELISA
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2a
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Immunogen

Gene Name	PD1
Alternative Names	PDCD1; PD-1; CD279; SLEB2; hPD-1; hPD-I; hSLE1
Gene ID	5133.0
SwissProt ID	Q15116.Purified recombinant fragment of human PD1 (AA: extra 21-170) expressed in HEK293 cells.

Application

Dilution Ratio	ICC:1:200-1:1000,FC:1:200-1:400,ELISA:1:10000
Molecular Weight	31.6KD

Background

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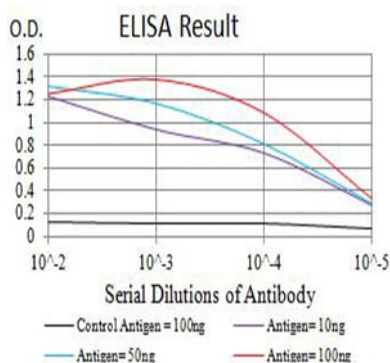


This gene encodes a cell surface membrane protein of the immunoglobulin superfamily. This protein is expressed in pro-B-cells and is thought to play a role in their differentiation. In mice, expression of this gene is induced in the thymus when anti-CD3 antibodies are injected and large numbers of thymocytes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

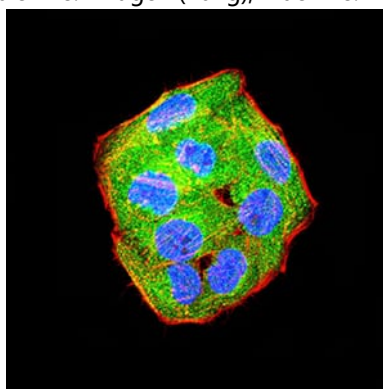
Research Area

Apoptosis

Image Data

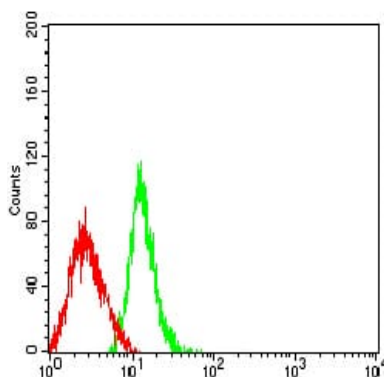


Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



Immunofluorescence analysis of Hela cells using PD1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

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Flow cytometric analysis of HL-60 cells using PD1 mouse mAb (green) and negative control (red).

Note

For research use only.