

## PD1 monoclonal antibody

Catalog: MB22527

Host: Mouse

Reactivity: Human

**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.

**Product:**

Purified antibody in PBS with 0.05% sodium azide

**Molecular Weight:**

31.6KD

**Swiss-Prot:**

Q15116

**Purification&Purity:**

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

**Applications:**

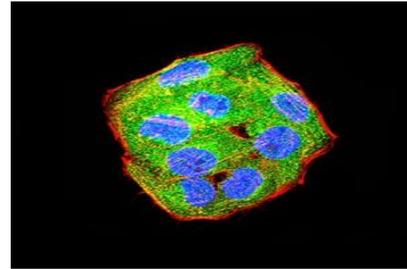
IF: 1/200 - 1/1000 FC: 1/200 - 1/400

**Storage&Stability:**

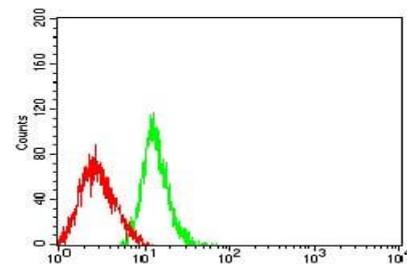
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

**Isotype:**

Mouse IgG2a

**DATA:**

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)



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

**Note:**

For research use only, not for use in diagnostic procedure.

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