

## PD1 Monoclonal Antibody

### Description

<b>Product type</b>	Antibody
<b>Code</b>	BT-MCA4285
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG2b
<b>Size</b>	100µL, 50µL
<b>Immunogen</b>	Purified recombinant fragment of human PD1 (AA: 192-288) expressed in E. Coli.
<b>Mol wt</b>	31.6kDa
<b>Species reactivity</b>	Others
<b>Clonality</b>	Monoclonal
<b>Recommended application</b>	WB,FCM
<b>Concentration</b>	N/A
<b>Full name</b>	N/A
<b>Synonyms</b>	PDCD1;PD-1;CD279;SLEB2;hPD-1;hPD-1;hSLE1

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### 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.

### Recommended Dilution

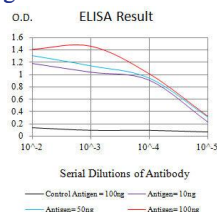
WB: 1:500 - 1:2000

FCM: 1:200-1:400

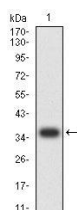
ELISA: 1:10000

Not yet tested in other applications.

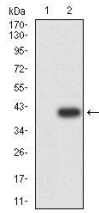
### Images



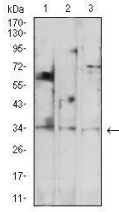
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



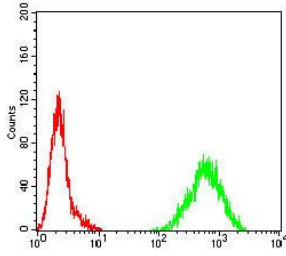
Western blot analysis using PD1 mAb against human PD1 (AA: 192-288) recombinant protein. (Expected MW is 36.5 kDa)



Western blot analysis using PD1 mAb against HEK293 (1) and PD1 (AA: 192-288)-hlgGFc transfected HEK293 (2) cell lysate.



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).

### Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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