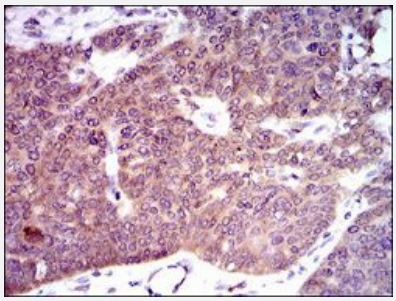
PDE1B monoclonal antibody, clone 5C4A3

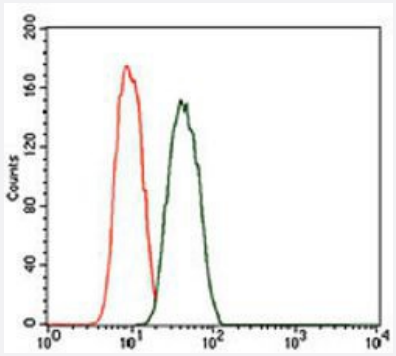
Catalog # MAB17801 Size 100 uL

Applications



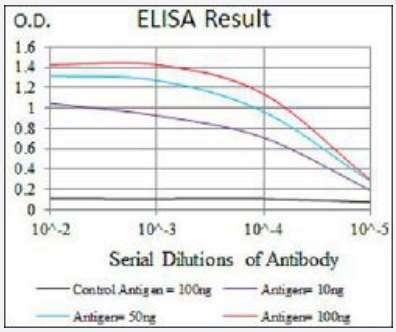
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded ovarian cancer tissue with PDE1B monoclonal antibody.



Flow Cytometry

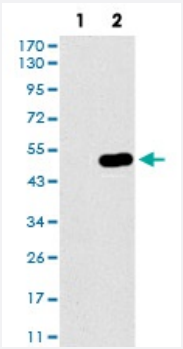
Flow cytometric analysis of A549 cells with PDE1B monoclonal antibody (green) and negative control (red).



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of PDE1B monoclonal antibody, clone 5C4A3.

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Western Blot (Transfected lysate)

Western blot analysis of (1) HEK293 cells, (2) PDE1B-hIgGFc transfected HEK293 cell lysate with PDE1B monoclonal antibody.

Specification

Product Description	Mouse monoclonal antibody raised against recombinant human PDE1B.
Immunogen	Recombinant protein corresponding to amino acids 370-536 of human PDE1B from *E. coli*.
Host	Mouse
Theoretical MW (kDa)	61.4
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Flow Cytometry (1:200-1:400) Immunocytochemistry Immunohistochemistry (1:200-1:1000) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites (0.03% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining of paraffin-embedded ovarian cancer tissue with PDE1B monoclonal antibody.

- Flow Cytometry

  Flow cytometric analysis of A549 cells with PDE1B monoclonal antibody (green) and negative control (red).

- Enzyme-linked Immunoabsorbent Assay

  ELISA analysis of PDE1B monoclonal antibody, clone 5C4A3.

- Western Blot (Transfected lysate)

  Western blot analysis of (1) HEK293 cells, (2) PDE1B-hIgGFc transfected HEK293 cell lysate with PDE1B monoclonal antibody.

Gene Info — PDE1B

Entrez GeneID	5153
Gene Name	PDE1B
Gene Alias	PDE1B1, PDES1B
Gene Description	phosphodiesterase 1B, calmodulin-dependent
Omim ID	171891
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	Phosphodiesterase-1B|calcium/calmodulin-stimulated cyclic nucleotide phosphodiesterase|calmodulin-stimulated phosphodiesterase PDE1B1|phosphodiesterase IB, calmodulin-dependent|presumed 63kDa form of the type 1 cyclic nucleotide phosphodiesterase family k

Pathway

- Calcium signaling pathway
- Purine metabolism

Disease

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- Cardiovascular Diseases
- Diabetes Mellitus
- Edema

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