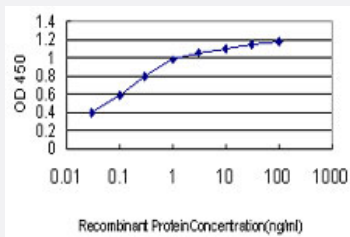


PDE1B monoclonal antibody (M01), clone 5B6

Catalog # H00005153-M01

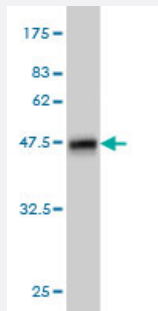
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PDE1B is approximately 0.03ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.63 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant PDE1B.
Immunogen	PDE1B (AAH32226, 437 a.a. ~ 536 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	TDVAEKSVQPLADEDSSKSKNQPSFQWRQPSLDVEVGDPNPDVVSFRSTWVKRIQENKQKWKE RAASGITNQMSIDELSPCEEEAPPSPAEDHNQNGNLD
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (92); Rat (93)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PDE1B is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — PDE1B

Entrez GeneID	5153
GeneBank Accession#	BC032226
Protein Accession#	AAH32226
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 1B, calmodulin-dependent|presumed 63kDa form of the type 1 cyclic nucleotide phosphodiesterase family k

Publication Reference

- [Distinct metabolism of cyclic adenosine monophosphate in regulatory and helper CD4\(+\) T cells.](#)

Bazhin AV, Kahnert S, Kimpfler S, Schadendorf D, Umansky V.

Molecular Immunology 2009 Nov; 47(4):678.

Application: WB-Ce, Mouse, Mouse regulatory and conventional CD4+ T cells

Pathway

- [Calcium signaling pathway](#)
- [Purine metabolism](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)