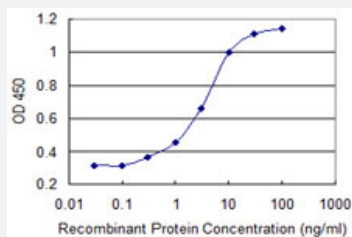


PDE3A monoclonal antibody (M03), clone 2D7

Catalog # H00005139-M03

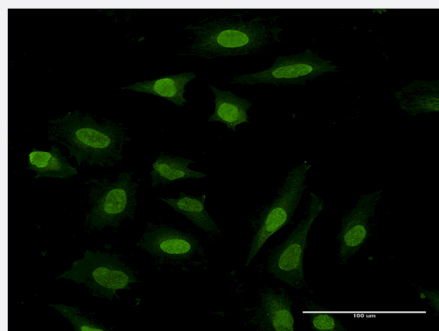
Size 50 ug

Applications



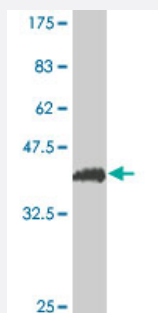
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PDE3A is 0.1 ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to PDE3A on HeLa cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (37.62 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant PDE3A.

Immunogen	PDE3A (NP_000912, 533 a.a. ~ 640 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	TPASSLVSKISAVQFPESADTTAKQSLGSHRALTYTQSAPDLSPQILTPPVICSSCGRPYSQGNPA DEPLERSGVATRTPSRRTDDTAQVTSDYETNNNSDSSDIVQNE
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (76); Rat (77)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.62 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 PDE3A is 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to PDE3A on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — PDE3A

Entrez GeneID [5139](#)

GeneBank Accession# [NM_000921](#)

Protein Accession#	NP_000912
Gene Name	PDE3A
Gene Alias	CGI-PDE
Gene Description	phosphodiesterase 3A, cGMP-inhibited
Omim ID	123805
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	cGMP-inhibited 3',5'-cyclic phosphodiesterase A cyclic GMP inhibited phosphodiesterase A

Publication Reference

- [A pathophysiological role of PDE3 in allergic airway inflammation.](#)

Beute J, Lukkes M, Koekoek EP, Nastiti H, Ganesh K, de Bruijn MJ, Hockman S, van Nimwegen M, Braunstahl GJ, Boon L, Lambrecht BN, Manganiello VC, Hendriks RW, KleinJan A.

JCI Insight 2018 Jan; 3(2):94888.

Application: IHC, Human, Human bronchial biopsies

Pathway

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

Disease

- [Azoospermia](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Infertility](#)
- [Oligospermia](#)

- [Ventricular Dysfunction](#)