

Human Phosphodiesterase 3A, cGMP Inhibited (PDE3A) ELISA Kit | PDE3A elisa kit

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CATALOG #
AAA68648

REACTIVITY
Human

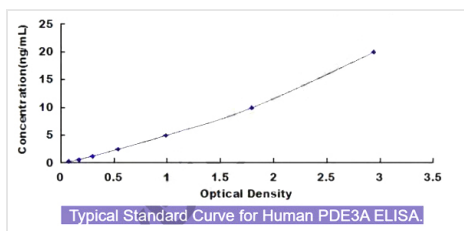
PRODUCT SYNONYMS

Phosphodiesterase 3A; cGMP Inhibited (PDE3A); Human Phosphodiesterase 3A; cGMP Inhibited (PDE3A) ELISA Kit; CGI-PDE; Cyclic GMP-inhibited phosphodiesterase A; cGMP-inhibited 3'; 5'-cyclic phosphodiesterase A; PDE3A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PDE3A. No significant cross-reactivity or interference between PDE3A and analogues was observed.
Sequence Length	1141
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates or other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.101ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PDE3A were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PDE3A were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PDE3A elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PDE3A. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PDE3A. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain PDE3A, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of PDE3A in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of PDE3A in human tissue homogenates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	70608155
NCBI GeneID	5139
NCBI Accession #	NP_000912.3
NCBI GenBank Nucleotide #	NM_000921.4
UniProt Accession #	Q14432; O60865; Q13348; Q17RD1
Molecular Weight	124,979 Da
NCBI Official Full Name	cGMP-inhibited 3',5'-cyclic phosphodiesterase A isoform 1
NCBI Official Synonym Full Names	phosphodiesterase 3A
NCBI Official Symbol	PDE3A
NCBI Official Synonym Symbols	HTNB; CGI-PDE; CGI-PDE A; CGI-PDE-A
NCBI Protein Information	cGMP-inhibited 3',5'-cyclic phosphodiesterase A
UniProt Protein Name	cGMP-inhibited 3',5'-cyclic phosphodiesterase A
UniProt Gene Name	PDE3A
UniProt Synonym Gene Names	CGI-PDE A

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/phosphodiesterase-3a-cgmp-inhibited-pde3a/68648>