

Human Phosphodiesterase 3B, cGMP Inhibited (PDE3B) ELISA Kit | PDE3B elisa kit

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CATALOG #
AAA68650

REACTIVITY
Human

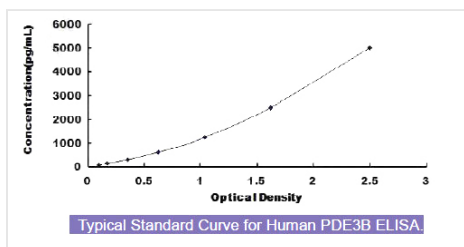
PRODUCT SYNONYMS

Phosphodiesterase 3B; cGMP Inhibited (PDE3B); Human Phosphodiesterase 3B; cGMP Inhibited (PDE3B) ELISA Kit; HcGIP1; cGIPDE1; CGIPDE1; CGIP1; CGI-PDE B; Cyclic GMP-inhibited phosphodiesterase B; PDE3B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PDE3B. No significant cross-reactivity or interference between PDE3B and analogues was observed.
Sequence Length	1112
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	78.1-5000pg/mL
Sensitivity	< 26.35pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PDE3B 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 PDE3B 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 PDE3B elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of PDE3B in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PDE3B. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PDE3B. 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 PDE3B, 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 PDE3B in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	40254434
NCBI GeneID	5140
NCBI Accession #	NP_000913.2
NCBI GenBank Nucleotide #	NM_000922.3
UniProt Accession #	Q13370; O00639; Q14408; Q6SEI4; B7ZM37
Molecular Weight	118,809 Da
NCBI Official Full Name	cGMP-inhibited 3',5'-cyclic phosphodiesterase B
NCBI Official Synonym Full Names	phosphodiesterase 3B
NCBI Official Symbol	PDE3B
NCBI Official Synonym Symbols	HcGIP1; cGIPDE1
NCBI Protein Information	cGMP-inhibited 3',5'-cyclic phosphodiesterase B
UniProt Protein Name	cGMP-inhibited 3',5'-cyclic phosphodiesterase B
UniProt Gene Name	PDE3B
UniProt Synonym Gene Names	CGIP1; CGI-PDE B

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-3b-cgmp-inhibited-pde3b/68650>