

Rat cGMP-specific 3',5'-cyclic phosphodiesterase ELISA Kit | Pde5a elisa kit

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CATALOG #
AAA56294

REACTIVITY
Rat

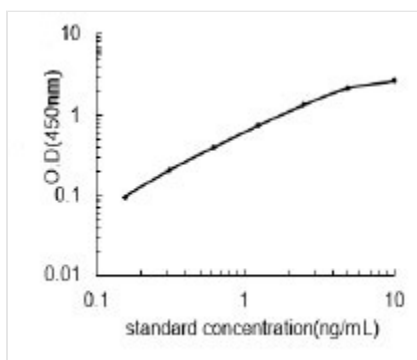
PRODUCT SYNONYMS

cGMP-specific 3'; 5'-cyclic phosphodiesterase; Rat cGMP-specific 3'; 5'-cyclic phosphodiesterase ELISA Kit; Pde5a elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Recombinant and natural Rat PDE5A
Sequence Length	821
Samples	Serum, plasma, tissue homogenates, cell culture supernates or other biological fluids
Detection Range	0.156-10 ng/mL
Intra-assay Precision	Intra-Assay CV: <=6.1%
Inter-assay Precision	Inter-Assay CV: <=8.9%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Pde5a elisa kit

Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of target antigen concentrations in serum, plasma, tissue homogenates, 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 target antigen. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for target antigen and then avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain target antigen, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of target antigen in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	19424280
NCBI GeneID	171115
NCBI Accession #	NP_598268.1
NCBI GenBank Nucleotide #	NM_133584.1
UniProt Accession #	O54735
Molecular Weight	– Da
NCBI Official Full Name	cGMP-specific 3',5'-cyclic phosphodiesterase
NCBI Official Synonym Full Names	phosphodiesterase 5A
NCBI Official Symbol	Pde5a
NCBI Official Synonym Symbols	PDE5A2
NCBI Protein Information	cGMP-specific 3',5'-cyclic phosphodiesterase
UniProt Protein Name	cGMP-specific 3',5'-cyclic phosphodiesterase
UniProt Gene Name	Pde5a
UniProt Synonym Gene Names	Pde5; CGB-PDE
UniProt Entry Name	PDE5A_RAT

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/pde5a-rat-elisa-kits/cgmp-specific-35-cyclic-phosphodiesterase/56294>