

Bovine cGMP-specific 3',5'-cyclic phosphodiesterase ELISA Kit | PDE5A elisa kit

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CATALOG #
AAA56189

REACTIVITY
Bovine

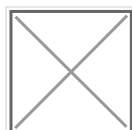
PRODUCT SYNONYMS

cGMP-specific 3'; 5'-cyclic phosphodiesterase; Bovine cGMP-specific 3'; 5'-cyclic phosphodiesterase ELISA Kit; PDE5A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	Recombinant and natural Bovine cGMP-specific 3',5'-cyclic phosphodiesterase
Sequence Length	821
Samples	Serum, plasma, tissue homogenates, cell culture supernates or other biological fluids
Detection Range	0.156-10 ng/mL
Sensitivity	< 0.058 ng/mL
Intra-assay Precision	<=6.7%
Inter-assay Precision	<=10.4%
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

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 $\pm$ 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.

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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	27806055
NCBI GeneID	281972

NCBI Accession #	NP_776842.1
NCBI GenBank Nucleotide #	NM_174417.2
UniProt Accession #	Q28156
Molecular Weight	98,627 Da
NCBI Official Full Name	cGMP-specific 3',5'-cyclic phosphodiesterase
NCBI Official Symbol	PDE5A
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_BOVIN

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-bovine-ovine-elisa-kits/cgmp-specific-35-cyclic-phosphodiesterase/56189>