

Mouse Phosphodiesterase 1A, Calmodulin Dependent ELISA Kit | PDE1A elisa kit

Mouse Phosphodiesterase 1A, Calmodulin Dependent (PDE1A) (Sandwich ELISA) ELISA Kit

CATALOG #
AAA189990

REACTIVITY
Mouse

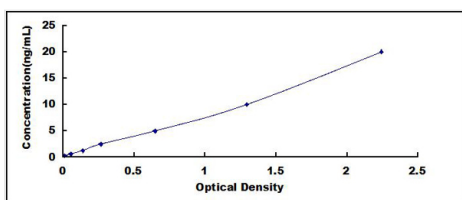
PRODUCT SYNONYMS

Phosphodiesterase 1A; Calmodulin Dependent; Mouse Phosphodiesterase 1A; Calmodulin Dependent (PDE1A) (Sandwich ELISA) ELISA Kit; hCam-1; 61 kDa Cam-PDE; Calcium/calmodulin-dependent 3'; 5'-cyclic nucleotide phosphodiesterase 1A; ELISA Kit for Phosphodiesterase 1A; Calmodulin Dependent (PDE1A); PDE1A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Phosphodiesterase 1A, Calmodulin Dependent (PDE1A). No significant cross-reactivity or interference between Phosphodiesterase 1A, Calmodulin Dependent (PDE1A) and analogues was observed. Reactive with Mouse PDE1A / Phosphodiesterase 1A, Calmodulin Dependent
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.124ng/mL
Detection Method	Colormetric
Assay Precision	Intra-Assay: CV<10%, Inter-Assay: CV<12%
Preparation and Storage	4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year

IMAGES



Standard Curve (Sample)

Typical Standard Curve for PDE1A ELISA (Sandwich)

ADDITIONAL INFORMATION

Related Product Information for PDE1A elisa kit	Principle of the Assay The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Phosphodiesterase 1A, Calmodulin Dependent (PDE1A). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Phosphodiesterase 1A, Calmodulin Dependent (PDE1A). 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 Phosphodiesterase 1A, Calmodulin Dependent (PDE1A), 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 Phosphodiesterase 1A, Calmodulin Dependent (PDE1A) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for PDE1A elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	568915799
NCBI GeneID	18573
NCBI Accession #	XP_006498986.1
NCBI GenBank Nucleotide #	XM_006498923.3
UniProt Accession #	Q61481; O35388; E9Q6V1
Molecular Weight	60,685 Da
NCBI Official Synonym Full Names	phosphodiesterase 1A, calmodulin-dependent
NCBI Official Symbol	Pde1a
NCBI Official Synonym Symbols	AI987702; AW125737
NCBI Protein Information	calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1A
UniProt Protein Name	Calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1A
UniProt Gene Name	Pde1a
UniProt Synonym Gene Names	Cam-PDE 1A

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/pde1a-mouse-elisa-kits/phosphodiesterase-1a-calmodulin-dependent/189990>