

Human Phosphodiesterase 1A, Calmodulin Dependent (PDE1A) ELISA Kit | PDE1A elisa kit

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CATALOG #
AAA186893

REACTIVITY
Human

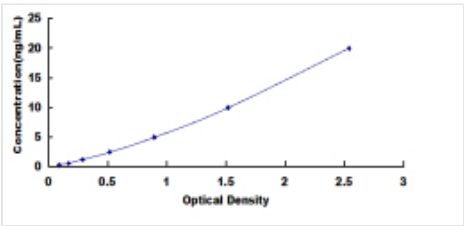
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
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.
Sequence Length	518
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates and Other Biological Fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.126ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Phosphodiesterase 1A, Calmodulin Dependent (PDE1A) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Phosphodiesterase 1A, Calmodulin Dependent (PDE1A) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PDE1A elisa kit	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	18490284
NCBI GeneID	5136
UniProt Accession #	P54750; Q86VZ0; Q9C0K8; Q9C0K9; Q9C0L0; Q9C0L1; Q9C0L2; Q9C0L3; Q9C0L4; Q9UFX3; D3DPG5
Molecular Weight	59,271 Da
NCBI Official Full Name	Phosphodiesterase 1A, calmodulin-dependent
NCBI Official Synonym Full Names	phosphodiesterase 1A
NCBI Official Symbol	PDE1A
NCBI Official Synonym Symbols	HCAM1; HCAM-1; HSPDE1A; CAM-PDE-1A
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/human-elisa-kits/phosphodiesterase-1a-calmodulin-dependent-pde1a/186893>