

Mouse Calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1C ELISA Kit | Pde1c elisa kit

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CATALOG #
AAA102481

REACTIVITY
Mouse

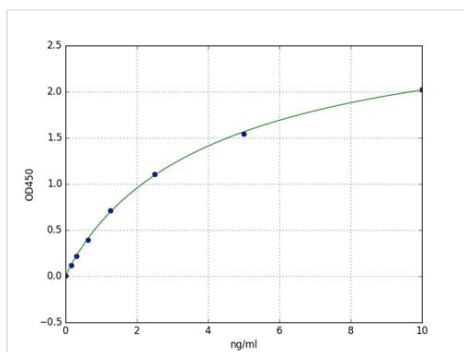
PRODUCT SYNONYMS

Calcium/calmodulin-dependent 3'; 5'-cyclic nucleotide phosphodiesterase 1C; Mouse Calcium/calmodulin-dependent 3'; 5'-cyclic nucleotide phosphodiesterase 1C ELISA Kit; Pde1c//Cam-PDE 1C/hCam-3/Phosphodiesterase 1C; Pde1c elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Sequence Length	769
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Mouse Pde1c ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.001	0.067	0.127	0.271	0.495	0.789	1.506	1.843

ADDITIONAL INFORMATION

Related Product Information for Pde1c elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Mouse Pde1c antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Mouse Pde1c antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Mouse Pde1c amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Mouse Pde1c can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	597709793
NCBI GeneID	5137
NCBI Accession #	NP_001177987.2
NCBI GenBank Nucleotide #	NM_001191058.2
Molecular Weight	86,896 Da
NCBI Official Full Name	calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1C isoform 3
NCBI Official Synonym Full Names	phosphodiesterase 1C
NCBI Official Symbol	PDE1C
NCBI Official Synonym Symbols	Hcam3; hCam-3; cam-PDE 1C
NCBI Protein Information	calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1C
UniProt Protein Name	Calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1C
UniProt Gene Name	PDE1C
UniProt Synonym Gene Names	Cam-PDE 1C
UniProt Entry Name	PDE1C_HUMAN

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/pde1c-mouse-elisa-kits/calcium-calmodulin-dependent-35-cyclic-nucleotide-phosphodiesterase-1c/102481>