

Rat Phosphodiesterase 1C, Calmodulin Dependent (PDE1C) ELISA Kit | PDE1C elisa kit

Rat Phosphodiesterase 1C, Calmodulin Dependent (PDE1C) ELISA Kit

CATALOG #
AAA68647

REACTIVITY
Rat

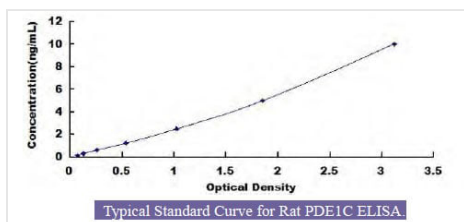
PRODUCT SYNONYMS

Phosphodiesterase 1C; Calmodulin Dependent (PDE1C); Rat Phosphodiesterase 1C; Calmodulin Dependent (PDE1C) ELISA Kit; Hcam3; Cam-PDE 1C; Calcium/calmodulin-dependent 3'; 5'-cyclic nucleotide phosphodiesterase 1C; PDE1C elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of PDE1C. No significant cross-reactivity or interference between PDE1C and analogues was observed.
Sequence Length	768
Samples	Rat tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	< 0.042ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PDE1C were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PDE1C were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PDE1C elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of PDE1C in rat tissue homogenates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PDE1C. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PDE1C. 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 PDE1C, 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 PDE1C in the samples is then determined by comparing the O.D. of the samples to the standard curve.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	23618922
NCBI GeneID	81742
NCBI Accession #	NP_112340.1
NCBI GenBank Nucleotide #	NM_031078.2
UniProt Accession #	Q63421
Molecular Weight	86,671 Da
NCBI Official Full Name	calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1C
NCBI Official Synonym Full Names	phosphodiesterase 1C
NCBI Official Symbol	Pde1c
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

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.