

Mouse Protein Kinase C Delta (PKCd) ELISA Kit | PKCd elisa kit

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CATALOG #
AAA65662

REACTIVITY
Mouse

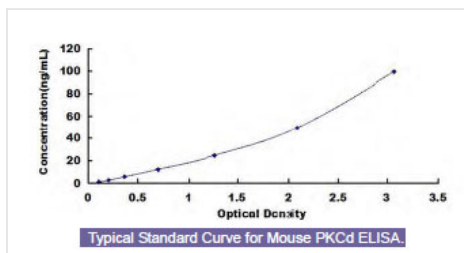
PRODUCT SYNONYMS

Protein Kinase C Delta (PKCd); Mouse Protein Kinase C Delta (PKCd) ELISA Kit; PKC-D; MAY1; PRKCD; SDK1; NPKC-Delta; Tyrosine-protein kinase PRKCD; Sphingosine-dependent protein kinase-1; PKCd elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of PKCd. No significant cross-reactivity or interference between PKCd and analogues was observed.
Sequence Length	700
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	1.56-100ng/mL
Sensitivity	0.54ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PKCd 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 PKCd were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PKCd elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PKCd in mouse serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PKCd. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PKCd. 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 PKCd, 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 PKCd 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 #	6755082
NCBI GeneID	18753
NCBI Accession #	NP_035233.1
NCBI GenBank Nucleotide #	NM_011103.3
UniProt Accession #	P28867; Q91V85; Q9Z333
Molecular Weight	80,294 Da
NCBI Official Full Name	protein kinase C delta type isoform 2
NCBI Official Synonym Full Names	protein kinase C, delta
NCBI Official Symbol	Prkcd
NCBI Official Synonym Symbols	Pkcd; PKC[d]; AI385711; PKCdelta; D14Ert420e
NCBI Protein Information	protein kinase C delta type
UniProt Protein Name	Protein kinase C delta type
UniProt Gene Name	Prkcd
UniProt Synonym Gene Names	Pkcd; SDK1

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.