

Rat Protein Kinase C Theta ELISA Kit | PKCq elisa kit

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CATALOG #
AAA85341

REACTIVITY
Rat

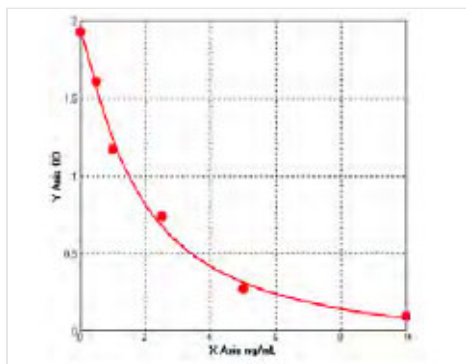
PRODUCT SYNONYMS

Protein Kinase C Theta; Rat Protein Kinase C Theta ELISA Kit; PKCq elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PKCq elisa kit

Intended Uses: This PKCtheta ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat PKCtheta. This ELISA kit for research use only!

Principle of the Assay: PKCtheta ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PKCtheta antibody and an PKCtheta-HRP conjugate. The assay sample and buffer are incubated together with PKCtheta-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PKCtheta concentration since PKCtheta from samples and PKCtheta-HRP conjugate compete for the anti-PKCtheta antibody binding site. Since the number of sites is limited, as more sites are occupied by PKCtheta from the sample, fewer sites are left to bind PKCtheta-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PKCtheta concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453976
NCBI GeneID	5588
NCBI Accession #	NP_006248.1
NCBI GenBank Nucleotide #	NM_006257.4
Molecular Weight	67,560 Da
NCBI Official Full Name	protein kinase C theta type isoform 1
NCBI Official Synonym Full Names	protein kinase C, theta
NCBI Official Symbol	PRKCQ
NCBI Official Synonym Symbols	PRKCT; nPKC-theta
NCBI Protein Information	protein kinase C theta type
UniProt Protein Name	Protein kinase C theta type
UniProt Gene Name	PRKCQ
UniProt Synonym Gene Names	PRKCT
UniProt Entry Name	KPCT_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.