

Rat protein kinase C ELISA Kit | PKC elisa kit

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CATALOG #
AAA85649

REACTIVITY
Rat

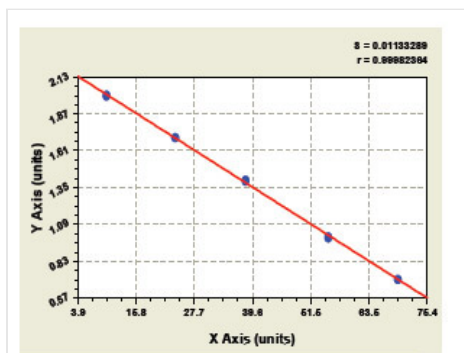
PRODUCT SYNONYMS

protein kinase C; Rat protein kinase C ELISA Kit; PKC elisa kit

PRODUCT SPECIFICATIONS

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

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PKC elisa kit	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE This PKC ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat PKC. This ELISA kit for research use only! PRINCIPLE OF THE ASSAY PKC ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PKC antibody and an PKC-HRP conjugate. The assay sample and buffer are incubated together with PKC-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 PKC concentration since PKC from samples and PKC-HRP conjugate compete for the anti-PKC antibody binding site. Since the number of sites is limited, as more sites are occupied by PKC from the sample, fewer sites are left to bind PKC-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PKC concentration in each sample is interpolated from this standard curve.
Product Categories/Family for PKC elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	201023355
NCBI GeneID	406106
NCBI Accession #	NP_001128420.1
NCBI GenBank Nucleotide #	NM_001134948.1
NCBI Official Full Name	protein kinase C
NCBI Official Synonym Full Names	protein kinase C<
NCBI Official Symbol	Pkc
NCBI Official Synonym Symbols	GB17972
NCBI Protein Information	protein kinase C

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.