

Rat Protein Kinase C Gamma ELISA Kit | PKCg elisa kit

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CATALOG #
AAA82301

REACTIVITY
Rat

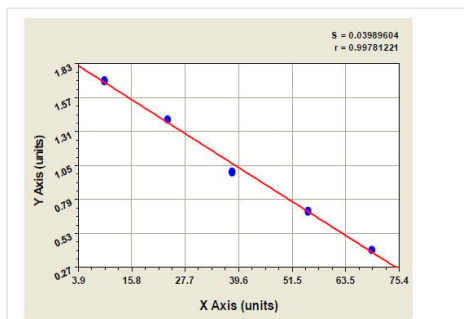
PRODUCT SYNONYMS

Protein Kinase C Gamma; Rat Protein Kinase C Gamma ELISA Kit; PKCg elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25 ng/mL
Sensitivity	0.1ng/ml
Intended Uses	This PKCg ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat PKCg. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PKCg elisa kit

Principle of the assay: PKCg ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PKCg antibody and an PKCg-HRP conjugate. The assay sample and buffer are incubated together with PKCg-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 PKCg concentration since PKCg from samples and PKCg-HRP conjugate compete for the anti-PKCg antibody binding site. Since the number of sites is limited, as more sites are occupied by PKCg from the sample, fewer sites are left to bind PKCg-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PKCg concentration in each sample is interpolated from this standard curve.

Product Categories/Family for PKCg elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	13384594
NCBI GeneID	5582
NCBI Accession #	NP_002730.1
NCBI GenBank Nucleotide #	NM_002739.3
Molecular Weight	78,448 Da
NCBI Official Full Name	protein kinase C gamma type
NCBI Official Synonym Full Names	protein kinase C, gamma
NCBI Official Symbol	PRKCG
NCBI Official Synonym Symbols	PKCC; PKCG; SCA14; PKC-gamma
NCBI Protein Information	protein kinase C gamma type
UniProt Protein Name	Protein kinase C gamma type
UniProt Gene Name	PRKCG
UniProt Synonym Gene Names	PKCG; PKC-gamma
UniProt Entry Name	KPCG_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/pkcg-rat-elisa-kits/protein-kinase-c-gamma/82301>