Monkey Protein Kinase C Iota ELISA Kit | PKCi elisa kit

Monkey Protein Kinase C Iota ELISA Kit

CATALOG #	REACTIVITY
AAA93994	**Monkey**

PRODUCT SYNONYMS

Protein Kinase C Iota; Monkey Protein Kinase C Iota ELISA Kit; PKCi elisa kit

PRODUCT SPECIFICATIONS

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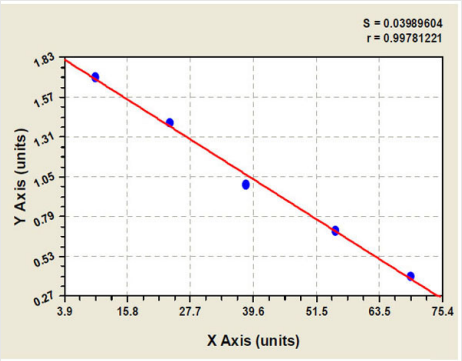
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	598225
NCBI GeneID	5584
Molecular Weight	68,262 Da
NCBI Official Full Name	protein kinase C iota
NCBI Official Synonym Full Names	protein kinase C, iota
NCBI Official Symbol	PRKCI
NCBI Official Synonym Symbols	PKCI; DXS1179E; nPKC-iota
NCBI Protein Information	protein kinase C iota type; PRKC-lambda/iota; aPKC-lambda/iota; atypical protein kinase C-lambda/iota
UniProt Protein Name	Protein kinase C iota type
UniProt Gene Name	**PRKCI**
UniProt Synonym Gene Names	DXS1179E; PRKC-lambda/iota; aPKC-lambda/iota
UniProt Entry Name	KPCI_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/pkci-monkey-elisa-kits/protein-kinase-c-iota/93994