

Mouse Protein kinase C alpha ELISA Kit | PKCa elisa kit

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CATALOG #
AAA83961

REACTIVITY
Mouse

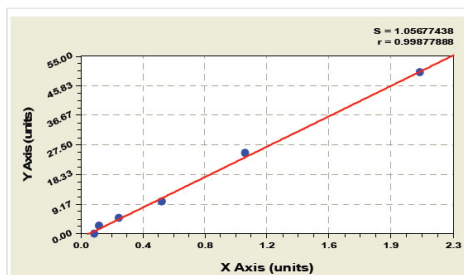
PRODUCT SYNONYMS

Protein kinase C alpha; Mouse Protein kinase C alpha ELISA Kit; PKCa elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This PKCa ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse PKCa. 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 PKCa elisa kit

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

Product Categories/Family for PKCa elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506067
NCBI GeneID	5578
NCBI Accession #	NP_002728.1
NCBI GenBank Nucleotide #	NM_002737.2
Molecular Weight	76,750 Da
NCBI Official Full Name	protein kinase C alpha type
NCBI Official Synonym Full Names	protein kinase C, alpha
NCBI Official Symbol	PRKCA
NCBI Official Synonym Symbols	AAG6; PKCA; PRKACA; PKC-alpha
NCBI Protein Information	protein kinase C alpha type; PKC-A; aging-associated gene 6
UniProt Protein Name	Protein kinase C alpha type
UniProt Gene Name	PRKCA
UniProt Synonym Gene Names	PKCA; PRKACA; PKC-A; PKC-alpha
UniProt Entry Name	KPCA_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/pkca-mouse-elisa-kits/protein-kinase-c-alpha/83961>