

Human Protein Kinase C beta 1 ELISA Kit | PKCb1 elisa kit

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CATALOG #
AAA84567

REACTIVITY
Human

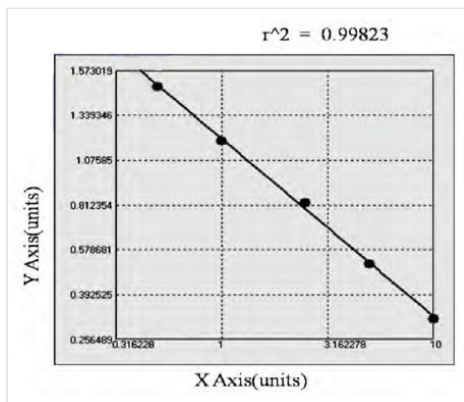
PRODUCT SYNONYMS

Protein Kinase C beta 1; Human Protein Kinase C beta 1 ELISA Kit; Human Protein Kinase C b 1 ELISA Kit; PKCb1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This PKCb1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PKCb1. 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 PKCb1 elisa kit

Principle of the Assay: PKCb1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PKCb1 antibody and an PKCb1-HRP conjugate. The assay sample and buffer are incubated together with PKCb1-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 PKCb1 concentration since PKCb1 from samples and PKCb1-HRP conjugate compete for the anti-PKCb1 antibody binding site. Since the number of sites is limited, as more sites are occupied by PKCb1 from the sample, fewer sites are left to bind PKCb1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PKCb1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	44969860
NCBI GeneID	416567
Molecular Weight	33,955 Da
NCBI Official Full Name	protein kinase C beta 1, partial
NCBI Official Synonym Full Names	protein kinase C, beta
NCBI Official Symbol	PRKCB
NCBI Official Synonym Symbols	PRKCB1
NCBI Protein Information	protein kinase C beta type; protein kinase C, beta; protein kinase C beta 1; protein kinase C, beta 1
UniProt Protein Name	Protein kinase C beta 1
UniProt Entry Name	Q6EE28_CHICK

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/pkcb1-human-elisa-kits/protein-kinase-c-beta-1/84567>