

Human Protein Kinase C zeta Type (PRKCZ) ELISA Kit | PRKCZ elisa kit

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CATALOG #
AAA331326

REACTIVITY
Human

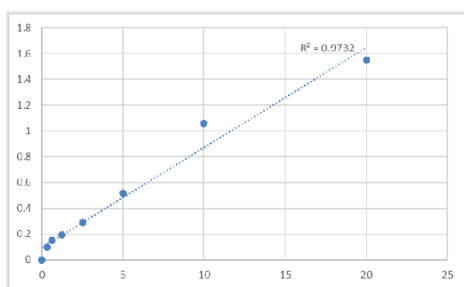
PRODUCT SYNONYMS

Protein Kinase C zeta Type (PRKCZ); Human Protein Kinase C zeta Type (PRKCZ) ELISA Kit; PRKCZ; PKC-ZETA; PKC2; PRKCZ elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Protein kinase C zeta type (PRKCZ) ELISA Kit has high sensitivity and excellent specificity for detection of Human PRKCZ. No significant cross-reactivity or interference between Human PRKCZ and analogues was observed.
Sequence Length	409
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Protein kinase C zeta type (PRKCZ) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PRKCZ elisa kit	Description: This Human Protein kinase C zeta type (PRKCZ) ELISA Kit employs a two-site sandwich ELISA to quantitate PRKCZ in samples. An antibody specific for PRKCZ has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PRKCZ present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PRKCZ is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PRKCZ bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Protein kinase C, zeta is an enzyme which in humans is encoded by the PRKCZ gene. The PRKCZ gene encodes at least two alternative transcripts, the full-length PKC zeta and an N-terminal truncated form PKM zeta. The truncated PKMzeta is thought to be responsible for maintaining long-term memories in the brain.PKC-zeta has an N-terminal regulatory domain, followed by a hinge region and a C-terminal catalytic domain. Second messengers stimulate PKCs by binding to the regulatory domain, translocating the enzyme from cytosol to membrane, and producing a conformational change that removes autoinhibition of the PKC catalytic activity. PKM-zeta, a brain-specific isoform of PKC-zeta generated from an alternative transcript, lacks the regulatory region of full-length PKC-zeta and is therefore constitutively active.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	75709226
NCBI GeneID	5590
NCBI Accession #	NP_001028753.1
NCBI GenBank Nucleotide #	NP_001028753.1
UniProt Accession #	Q05513
NCBI Official Full Name	protein kinase C zeta type isoform 2
NCBI Official Synonym Full Names	protein kinase C zeta
NCBI Official Symbol	PRKCZ
NCBI Official Synonym Symbols	PKC2; PKC-ZETA
NCBI Protein Information	protein kinase C zeta type
UniProt Protein Name	Protein kinase C zeta type
UniProt Gene Name	PRKCZ
UniProt Synonym Gene Names	PKC2
UniProt Entry Name	KPCZ_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.