

Human Protein Kinase C delta Type (PRKCD) ELISA Kit | PRKCD elisa kit

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CATALOG #
AAA331328

REACTIVITY
Human

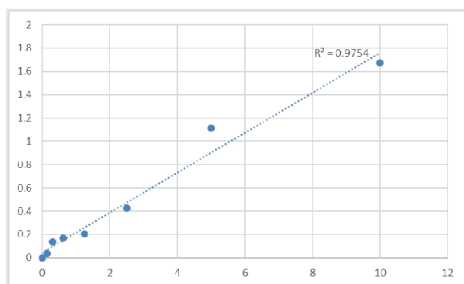
PRODUCT SYNONYMS

Protein Kinase C delta Type (PRKCD); Human Protein Kinase C delta Type (PRKCD) ELISA Kit; PRKCD; MAY1; MGC49908; PKCD; nPKC-delta; protein kinase C delta VIII; PRKCD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Protein kinase C delta type (PRKCD) ELISA Kit has high sensitivity and excellent specificity for detection of Human PRKCD. No significant cross-reactivity or interference between Human PRKCD and analogues was observed.
Sequence Length	676
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 delta type (PRKCD) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PRKCD elisa kit	Description: This Human Protein kinase C delta type (PRKCD) ELISA Kit employs a two-site sandwich ELISA to quantitate PRKCD in samples. An antibody specific for PRKCD has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PRKCD present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PRKCD 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 PRKCD bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The genes encoding the protein kinase C enzymes are widely distributed, e.g., PRKCA on chromosome 17, PRKCB1 on 16, and PRKCG on 19. Although the sequence homology among the PRKC family of genes is extensive, the pattern of expression varies among tissues. For example, the delta polypeptide appears to be the major isoform expressed in mouse hematopoietic cells. Mischak et al. (1991) isolated and characterized the mouse Prkcd gene. Aris et al. (1993) found that PKC-delta underwent calcium-independent autophosphorylation in the presence of phosphatidylserine and diacylglycerol. Diacylglycerol was an absolute requirement for PKC-delta activation. This and other cofactor and substrate requirements distinguished human PKC-delta from its mouse homolog. Organism species: Homo sapiens (Human)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	31377782
NCBI GeneID	5580
NCBI Accession #	NP_006245.2
NCBI GenBank Nucleotide #	NP_006245.2
UniProt Accession #	Q05655
NCBI Official Full Name	protein kinase C delta type isoform c
NCBI Official Synonym Full Names	protein kinase C delta
NCBI Official Symbol	PRKCD
NCBI Official Synonym Symbols	MAY1; PKCD; ALPS3; CVID9; nPKC-delta
NCBI Protein Information	protein kinase C delta type
UniProt Protein Name	Protein kinase C delta type
UniProt Gene Name	PRKCD
UniProt Synonym Gene Names	SDK1
UniProt Entry Name	KPCD_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.