

Rat Protein Kinase C Zeta (PKCz) ELISA Kit | PKCz elisa kit

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CATALOG #
AAA66319

REACTIVITY
Rat

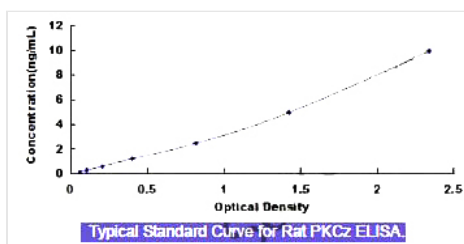
PRODUCT SYNONYMS

Protein Kinase C Zeta (PKCz); Rat Protein Kinase C Zeta (PKCz) ELISA Kit; PKC2; PKC-Z; PRKCZ; Protein Kinase M Zeta; PKCz elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of PKCz. No significant cross-reactivity or interference between PKCz and analogues was observed.
Sequence Length	592
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.062ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PKCz were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PKCz were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PKCz elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PKCz in rat Tissue homogenates, cell lysates and other biological fluids Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PKCz. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PKCz. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain PKCz, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of PKCz in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	11968080
NCBI GeneID	25522
NCBI Accession #	NP_071952.1
NCBI GenBank Nucleotide #	NM_022507.1
UniProt Accession #	P09217
Molecular Weight	67,733 Da
NCBI Official Full Name	protein kinase C zeta type
NCBI Official Synonym Full Names	protein kinase C, zeta
NCBI Official Symbol	Prkcz
NCBI Official Synonym Symbols	Pkcζ; r14-3-3; 14-3-3-zeta isoform
NCBI Protein Information	protein kinase C zeta type
UniProt Protein Name	Protein kinase C zeta type
UniProt Gene Name	Prkcz
UniProt Synonym Gene Names	Pkcζ

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.