

Porcine Protein Kinase C Zeta ELISA Kit | PKCz elisa kit

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CATALOG #
AAA96708

REACTIVITY
Porcine

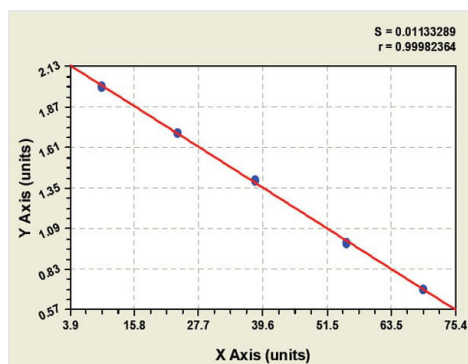
PRODUCT SYNONYMS

Protein Kinase C Zeta; Porcine Protein Kinase C Zeta ELISA Kit; PKCz elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Intended Uses	This PKCz ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine PKCz. 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 PKCz elisa kit

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

Product Categories/Family for PKCz elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	307356
NCBI GeneID	5590
Molecular Weight	56,136 Da
NCBI Official Full Name	protein kinase C zeta
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; nPKC-zeta
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.

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Online datasheet: <https://stage.aaabiotech.com/pkc2-porcine-elisa-kits/protein-kinase-c-zeta/96708>