

Mouse Protein Kinase G ELISA Kit | PKG elisa kit

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CATALOG #
AAA247362

REACTIVITY
Mouse

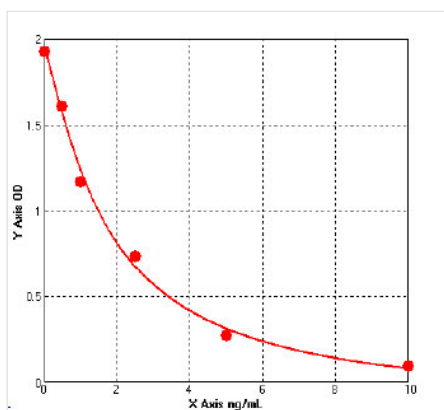
PRODUCT SYNONYMS

Protein Kinase G; Mouse Protein Kinase G ELISA Kit; PKG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of PKG. No significant cross-reactivity or interference between PKG and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PKG and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	154
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store at 2-8 degree C. The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PKG elisa kit	Intended Uses: This PKG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse PKG. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: PKG ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-PKG antibody and an PKG-HRP conjugate. The assay sample and buffer are incubated together with PKG-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 PKG concentration since PKG from samples and PKG-HRP conjugate compete for the anti-PKG antibody binding site. Since the number of sites is limited, as more sites are occupied by PKG from the sample, fewer sites are left to bind PKG-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PKG concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	971533774
Molecular Weight	17,309 Da
NCBI Official Full Name	protein kinase G, partial
UniProt Protein Name	Protein kinase G

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/pkg-mouse-elisa-kits/protein-kinase-g/247362>