

Mouse cGMP-dependent protein kinase 2 (PRKG2) ELISA Kit | PRKG2 elisa kit

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CATALOG #
AAA246749

REACTIVITY
Mouse

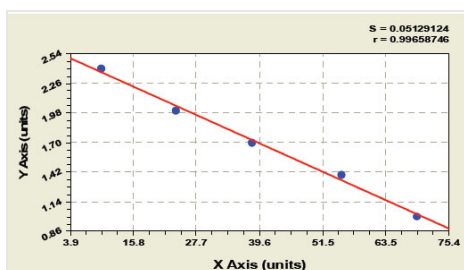
PRODUCT SYNONYMS

cGMP-dependent protein kinase 2 (PRKG2); Mouse cGMP-dependent protein kinase 2 (PRKG2) ELISA Kit; PRKG2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Intended Uses	This PRKG2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse PRKG2. 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 PRKG2 elisa kit

Principle of the assay: PRKG2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PRKG2 antibody and an PRKG2-HRP conjugate. The assay sample and buffer are incubated together with PRKG2-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 PRKG2 concentration since PRKG2 from samples and PRKG2-HRP conjugate compete for the anti-PRKG2 antibody binding site. Since the number of sites is limited, as more sites are occupied by PRKG2 from the sample, fewer sites are left to bind PRKG2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PRKG2 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for PRKG2 elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	541950461
NCBI GeneID	5593
NCBI Accession #	NP_001269414.1
NCBI GenBank Nucleotide #	NM_001282485.1
Molecular Weight	84,398 Da
NCBI Official Full Name	cGMP-dependent protein kinase 2 isoform e
NCBI Official Synonym Full Names	protein kinase, cGMP-dependent, type II
NCBI Official Symbol	PRKG2
NCBI Official Synonym Symbols	cGK2; cGKII; PRKGR2
NCBI Protein Information	cGMP-dependent protein kinase 2; cGMP-dependent protein kinase II
UniProt Protein Name	cGMP-dependent protein kinase 2
UniProt Gene Name	PRKG2
UniProt Synonym Gene Names	PRKGR2; cGK 2; cGK2; cGKII
UniProt Entry Name	KGP2_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/mouse-elisa-kits/cgmp-dependent-protein-kinase-2-prkg2/246749>