

Mouse Protein kinase A ELISA Kit | PKA elisa kit

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CATALOG #
AAA86045

REACTIVITY
Mouse

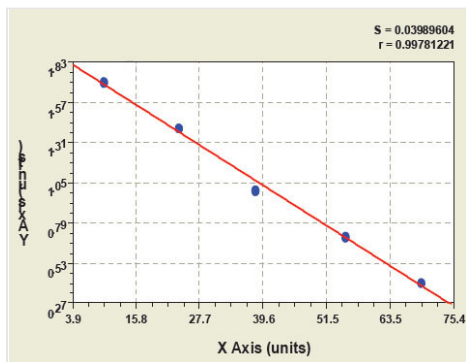
PRODUCT SYNONYMS

Protein kinase A; Mouse Protein kinase A ELISA Kit; PKA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This PKA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse PKA. 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 PKA elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	31795319
NCBI GeneID	15151861
NCBI Accession #	NP_857776.1
NCBI GenBank Nucleotide #	NC_004836.1
NCBI Official Full Name	protein kinase A homolog
NCBI Official Symbol	ypkA
NCBI Protein Information	similar to Yersinia pseudotuberculosis protein kinase A; protein kinase A homolog

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/pka-mouse-elisa-kits/protein-kinase-a/86045>