

Mouse cAMP-dependent protein kinase catalytic subunit alpha (PRKACA) ELISA Kit | PRKACA elisa kit

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CATALOG # AAA244365	REACTIVITY Mouse
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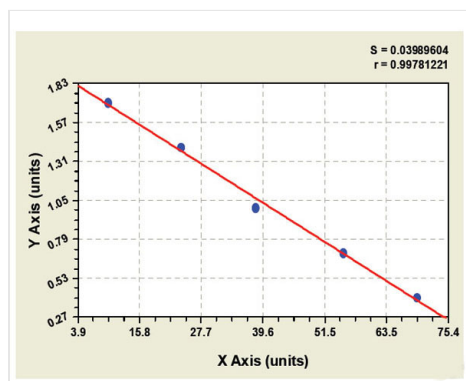
PRODUCT SYNONYMS

cAMP-dependent protein kinase catalytic subunit alpha (PRKACA); Mouse cAMP-dependent protein kinase catalytic subunit alpha (PRKACA) ELISA Kit; PRKACA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This PRKACA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse PRKACA. 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 PRKACA elisa kit	Principle of the assay: PRKACA ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PRKACA antibody and an PRKACA-HRP conjugate. The assay sample and buffer are incubated together with PRKACA-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 PRKACA concentration since PRKACA from samples and PRKACA-HRP conjugate compete for the anti-PRKACA antibody binding site. Since the number of sites is limited, as more sites are occupied by PRKACA from the sample, fewer sites are left to bind PRKACA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PRKACA concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	125205
NCBI GeneID	5566
Molecular Weight	39,953 Da
NCBI Official Full Name	cAMP-dependent protein kinase catalytic subunit alpha
NCBI Official Synonym Full Names	protein kinase, cAMP-dependent, catalytic, alpha
NCBI Official Symbol	PRKACA
NCBI Official Synonym Symbols	PKACA
NCBI Protein Information	cAMP-dependent protein kinase catalytic subunit alpha; PKA C-alpha; protein kinase A catalytic subunit; cAMP-dependent protein kinase catalytic subunit alpha, isoform 1
UniProt Protein Name	cAMP-dependent protein kinase catalytic subunit alpha
UniProt Gene Name	PRKACA
UniProt Synonym Gene Names	PKACA; PKA C-alpha
UniProt Entry Name	KAPCA_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/camp-dependent-protein-kinase-catalytic-subunit-alpha-prkaca/244365>