

Human cAMP dependent protein kinase catalytic subunit beta (PRKACB) ELISA Kit | PRKACB elisa kit

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CATALOG #
AAA245953

REACTIVITY
Human

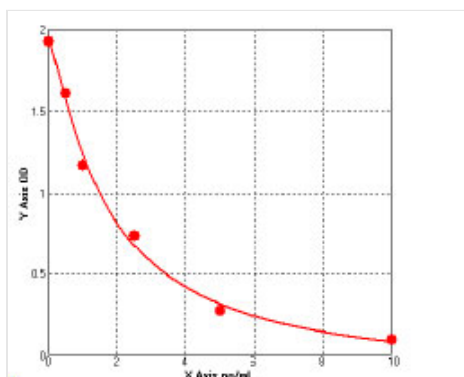
PRODUCT SYNONYMS

cAMP dependent protein kinase catalytic subunit beta (PRKACB); Human cAMP dependent protein kinase catalytic subunit beta (PRKACB) ELISA Kit; Human cAMP dependent protein kinase catalytic subunit b (PRKACB) ELISA Kit; PRKACB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRKACB elisa kit

Intended Uses: This PRG4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine PRG4. This ELISA kit for research use only!

Principle of the Assay: PRG4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PRG4 antibody and an PRG4-HRP conjugate. The assay sample and buffer are incubated together with PRG4-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 PRG4 concentration since PRG4 from samples and PRG4-HRP conjugate compete for the anti-PRG4 antibody binding site. Since the number of sites is limited, as more sites are occupied by PRG4 from the sample, fewer sites are left to bind PRG4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PRG4 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	125210
NCBI GeneID	5567
Molecular Weight	37,110 Da
NCBI Official Full Name	cAMP-dependent protein kinase catalytic subunit beta
NCBI Official Synonym Full Names	protein kinase, cAMP-dependent, catalytic, beta
NCBI Official Symbol	PRKACB
NCBI Official Synonym Symbols	PKACB; PKA C-beta
NCBI Protein Information	cAMP-dependent protein kinase catalytic subunit beta; protein kinase A catalytic subunit beta; cAMP-dependent protein kinase catalytic beta subunit isoform 4ab
UniProt Protein Name	cAMP-dependent protein kinase catalytic subunit beta
UniProt Gene Name	PRKACB
UniProt Synonym Gene Names	PKA C-beta
UniProt Entry Name	KAPCB_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/human-elisa-kits/camp-dependent-protein-kinase-catalytic-subunit-beta-prkacb/245953>