

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

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CATALOG #
AAA101669

REACTIVITY
Human

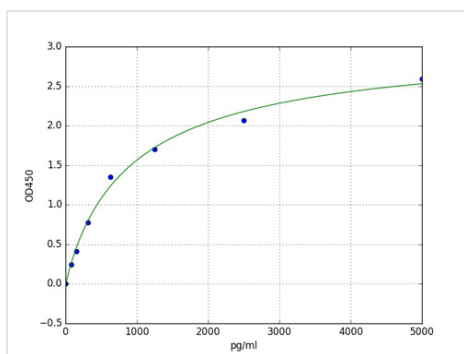
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	339
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	78.125-5000pg/ml
Sensitivity	46.875pg/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Human PRKACB ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	pg/ml	0	78	156	312.5	625	1250	2500	5000
Y	OD450	0.004	0.180	0.345	0.685	1.027	1.503	1.918	2.390

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRKACB elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Human PRKACB antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human PRKACB antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human PRKACB amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human PRKACB can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	255958320
NCBI GeneID	18749
NCBI Accession #	NP_001157671.1
NCBI GenBank Nucleotide #	NM_001164199.1
Molecular Weight	46,014 Da
NCBI Official Full Name	cAMP-dependent protein kinase catalytic subunit beta isoform 3
NCBI Official Synonym Full Names	protein kinase, cAMP dependent, catalytic, beta
NCBI Official Symbol	Prkacb
NCBI Official Synonym Symbols	CbPKA; Pkacb
NCBI Protein Information	cAMP-dependent protein kinase catalytic subunit beta
UniProt Protein Name	cAMP-dependent protein kinase catalytic subunit beta
UniProt Gene Name	Prkacb
UniProt Synonym Gene Names	Pkacb; PKA C-beta
UniProt Entry Name	KAPCB_MOUSE

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/prkacb-human-elisa-kits/camp-dependent-protein-kinase-catalytic-subunit-beta/101669>