

Human Choline/ethanolamine kinase (CHKB) ELISA Kit | CHKB elisa kit

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CATALOG #
AAA244296

REACTIVITY
Human

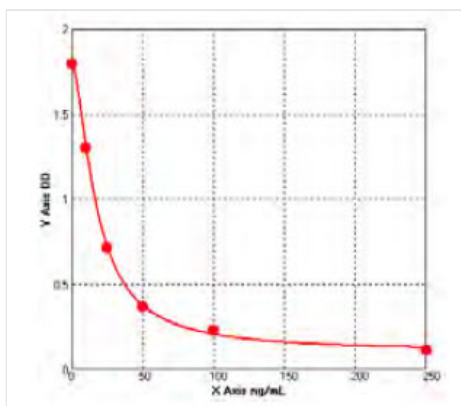
PRODUCT SYNONYMS

Choline/ethanolamine kinase (CHKB); Human Choline/ethanolamine kinase (CHKB) ELISA Kit; CHKB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CHKB. No significant cross-reactivity or interference between CHKB and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CHKB and all the analogues, therefore, cross reaction may still exist in some cases.
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 CHKB elisa kit	Intended Uses: This CHKB ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CHKB. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: CHKB ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-CHKB antibody and an CHKB-HRP conjugate. The assay sample and buffer are incubated together with CHKB-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 CHKB concentration since CHKB from samples and CHKB-HRP conjugate compete for the anti-CHKB antibody binding site. Since the number of sites is limited, as more sites are occupied by CHKB from the sample, fewer sites are left to bind CHKB-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CHKB concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CHKB elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	6978649
NCBI GeneID	1120
NCBI Accession #	NP_005189.2
NCBI GenBank Nucleotide #	NM_005198.4
Molecular Weight	13,506 Da
NCBI Official Full Name	choline/ethanolamine kinase
NCBI Official Synonym Full Names	choline kinase beta
NCBI Official Symbol	CHKB
NCBI Official Synonym Symbols	CK; EK; CKB; EKB; CHKL; CHETK; CKEKB; MDCMC
NCBI Protein Information	choline/ethanolamine kinase; ethanolamine kinase beta; choline kinase-like protein
UniProt Protein Name	Choline/ethanolamine kinase
UniProt Gene Name	CHKB
UniProt Synonym Gene Names	CHETK; CHKL; CK; CKB; EK; EKB; CKEKB
UniProt Entry Name	CHKB_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/choline-ethanolamine-kinase-chkb/244296>