Rat Cytoskeleton-associated protein 5 (CKAP5) ELISA Kit | CKAP5 elisa kit

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CATALOG #	REACTIVITY
AAA246109	**Rat**

PRODUCT SYNONYMS

Cytoskeleton-associated protein 5 (CKAP5); Rat Cytoskeleton-associated protein 5 (CKAP5) ELISA Kit; CKAP5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CKAP5 elisa kit	Intended Uses: This CKAP5 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CKAP5. This ELISA kit for research use only! Principle of the Assay: CKAP5 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CKAP5 antibody and an CKAP5-HRP conjugate. The assay sample and buffer are incubated together with CKAP5-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 CKAP5 concentration since CKAP5 from samples and CKAP5-HRP conjugate compete for the anti-CKAP5 antibody binding site. Since the number of sites is limited, as more sites are occupied by CKAP5 from the sample, fewer sites are left to bind CKAP5-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CKAP5 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CKAP5 elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	57164942
NCBI GeneID	9793

NCBI Accession #	NP_001008938.1
NCBI GenBank Nucleotide #	NM_001008938.3
Molecular Weight	226,258 Da
NCBI Official Full Name	cytoskeleton-associated protein 5 isoform a
NCBI Official Synonym Full Names	cytoskeleton associated protein 5
NCBI Official Symbol	CKAP5
NCBI Official Synonym Symbols	TOG; MSPS; TOGp; CHTOG; ch-TOG
NCBI Protein Information	cytoskeleton-associated protein 5; colonic and hepatic tumor overexpressed gene protein; colonic and hepatic tumor over-expressed gene protein
UniProt Protein Name	Cytoskeleton-associated protein 5
UniProt Gene Name	**CKAP5**
UniProt Synonym Gene Names	KIAA0097; Ch-TOG
UniProt Entry Name	CKAP5_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/rat-elisa-kits/cytoskeleton-associated-protein-5-ckap5/246109