

Human Calmodulin regulated spectrin associated protein 1 (CAMSAP1) ELISA Kit | CAMSAP1 elisa kit

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CATALOG #
AAA245467

REACTIVITY
Human

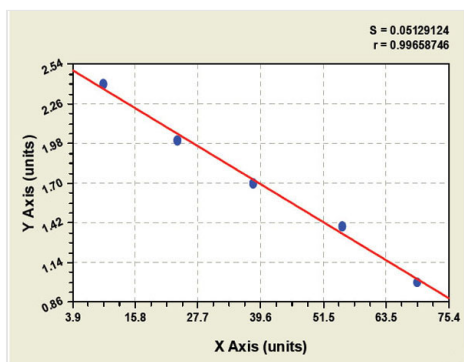
PRODUCT SYNONYMS

Calmodulin regulated spectrin associated protein 1 (CAMSAP1); Human Calmodulin regulated spectrin associated protein 1 (CAMSAP1) ELISA Kit; CAMSAP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Intended Uses	This CAMSAP1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CAMSAP1. 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 CAMSAP1 elisa kit

Principle of the assay: CAMSAP1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CAMSAP1 antibody and an CAMSAP1-HRP conjugate. The assay sample and buffer are incubated together with CAMSAP1-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 CAMSAP1 concentration since CAMSAP1 from samples and CAMSAP1-HRP conjugate compete for the anti-CAMSAP1 antibody binding site. Since the number of sites is limited, as more sites are occupied by CAMSAP1 from the sample, fewer sites are left to bind CAMSAP1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CAMSAP1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	186659512
NCBI GeneID	157922
NCBI Accession #	NP_056262.3
NCBI GenBank Nucleotide #	NM_015447.3
Molecular Weight	179,345 Da
NCBI Official Full Name	calmodulin-regulated spectrin-associated protein 1
NCBI Official Synonym Full Names	calmodulin regulated spectrin-associated protein 1
NCBI Official Symbol	CAMSAP1
NCBI Official Synonym Symbols	PRO2405; bA100C15.1
NCBI Protein Information	calmodulin-regulated spectrin-associated protein 1; bA100C15.1 (novel protein)
UniProt Protein Name	Calmodulin-regulated spectrin-associated protein 1
UniProt Gene Name	CAMSAP1
UniProt Entry Name	CAMP1_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/calmodulin-regulated-spectrin-associated-protein-1-camsap1/245467>