

Human A kinase anchor protein 5 (AKAP5) ELISA Kit | AKAP5 elisa kit

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CATALOG #
AAA246016

REACTIVITY
Human

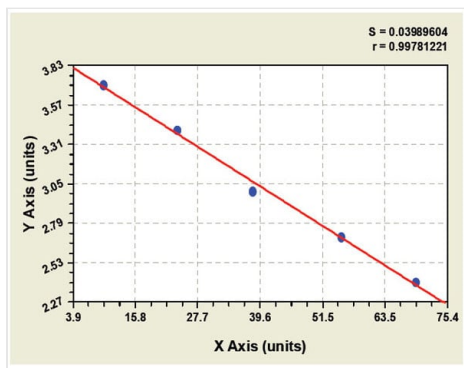
PRODUCT SYNONYMS

A kinase anchor protein 5 (AKAP5); Human A kinase anchor protein 5 (AKAP5) ELISA Kit; AKAP5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	250-5000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This KAP5 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human KAP5. 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 AKAP5 elisa kit

Principle of the assay: KAP5 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-KAP5 antibody and an KAP5-HRP conjugate. The assay sample and buffer are incubated together with KAP5-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 KAP5 concentration since KAP5 from samples and KAP5-HRP conjugate compete for the anti-KAP5 antibody binding site. Since the number of sites is limited, as more sites are occupied by KAP5 from the sample, fewer sites are left to bind KAP5-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The KAP5 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	158187521
NCBI GeneID	9495
NCBI Accession #	NP_004848.3
NCBI GenBank Nucleotide #	NM_004857.3
Molecular Weight	47,088 Da
NCBI Official Full Name	A-kinase anchor protein 5
NCBI Official Synonym Full Names	A kinase (PRKA) anchor protein 5
NCBI Official Symbol	AKAP5
NCBI Official Synonym Symbols	H21; AKAP75; AKAP79
NCBI Protein Information	A-kinase anchor protein 5; AKAP 79; A-kinase anchor protein 79 kDa; A-kinase anchoring protein 75/79; cAMP-dependent protein kinase regulatory subunit II high affinity-binding protein
UniProt Protein Name	A-kinase anchor protein 5
UniProt Gene Name	AKAP5
UniProt Synonym Gene Names	AKAP79; AKAP-5; AKAP 79
UniProt Entry Name	AKAP5_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/a-kinase-anchor-protein-5-akap5/246016>