

Human A Kinase Anchor Protein 1 ELISA Kit | AKAP1 elisa kit

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CATALOG #
AAA82066

REACTIVITY
Human

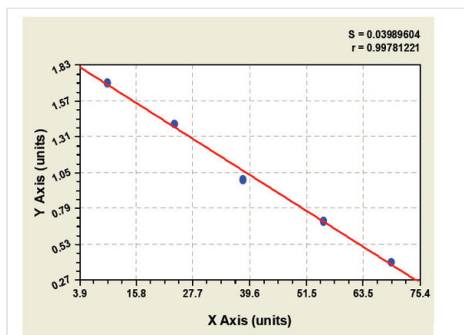
PRODUCT SYNONYMS

A Kinase Anchor Protein 1; Human A Kinase Anchor Protein 1 ELISA Kit; AKAP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AKAP1 elisa kit

For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

INTENDED USE: This BMP-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse BMP-1. This ELISA kit for research use only!

PRINCIPLE OF THE ASSAY: BMP-1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-BMP-1 antibody and an BMP-1-HRP conjugate. The assay sample and buffer are incubated together with BMP-1-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 BMP-1 concentration since BMP-1 from samples and BMP-1-HRP conjugate compete for the anti-BMP-1 antibody binding site. Since the number of sites is limited, as more sites are occupied by BMP-1 from the sample, fewer sites are left to bind BMP-1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The BMP-1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	339275976
NCBI GeneID	8165
NCBI Accession #	NP_001229832.1
NCBI GenBank Nucleotide #	NM_001242903.1
Molecular Weight	62,921 Da
NCBI Official Full Name	A-kinase anchor protein 1, mitochondrial
NCBI Official Synonym Full Names	A kinase (PRKA) anchor protein 1
NCBI Official Symbol	AKAP1
NCBI Official Synonym Symbols	AKAP; PRKA1; AKAP84; TDRD17; AKAP121; AKAP149; D-AKAP1; PPP1R43; SAKAP84
NCBI Protein Information	A-kinase anchor protein 1, mitochondrial; AKAP 149; D-AKAP-1; protein kinase A1; tudor domain containing 17; A-kinase anchor protein 149 kDa; protein kinase A anchoring protein 1; spermatid A-kinase anchor protein 84; protein phosphatase 1, regulatory subunit 43; dual-specificity A-kinase anchoring protein 1
UniProt Protein Name	A-kinase anchor protein 1, mitochondrial
UniProt Gene Name	AKAP1
UniProt Synonym Gene Names	AKAP149; PRKA1; AKAP 149; D-AKAP-1; PRKA1; S-AKAP84
UniProt Entry Name	AKAP1_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.