

Mouse alpha-actinin-4 (ACTN-4) ELISA Kit | ACTN4 elisa kit

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CATALOG #
AAA246068

REACTIVITY
Mouse

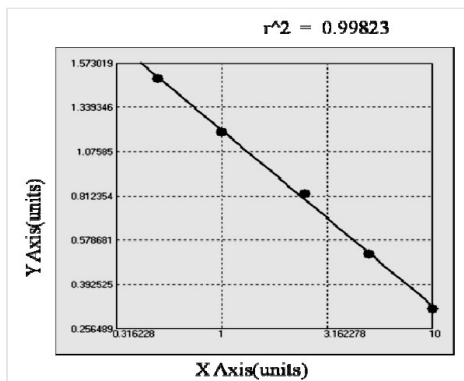
PRODUCT SYNONYMS

alpha-actinin-4 (ACTN-4); Mouse alpha-actinin-4 (ACTN-4) ELISA Kit; ACTN4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This ACTN-4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse ACTN-4. 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 ACTN4 elisa kit

Principle of the assay: ACTN-4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ACTN-4 antibody and an ACTN-4-HRP conjugate. The assay sample and buffer are incubated together with ACTN-4-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 ACTN-4 concentration since ACTN-4 from samples and ACTN-4-HRP conjugate compete for the anti-ACTN-4 antibody binding site. Since the number of sites is limited, as more sites are occupied by ACTN-4 from the sample, fewer sites are left to bind ACTN-4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ACTN-4 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	12025678
NCBI GeneID	81
NCBI Accession #	NP_004915.2
NCBI GenBank Nucleotide #	NM_004924.4
Molecular Weight	59,579 Da
NCBI Official Full Name	alpha-actinin-4
NCBI Official Synonym Full Names	actinin, alpha 4
NCBI Official Symbol	ACTN4
NCBI Official Synonym Symbols	FSGS; FSGS1; ACTININ-4
NCBI Protein Information	alpha-actinin-4; actinin alpha4 isoform; non-muscle alpha-actinin 4; F-actin cross-linking protein; focal segmental glomerulosclerosis 1
UniProt Protein Name	Alpha-actinin-4
UniProt Gene Name	ACTN4
UniProt Entry Name	ACTN4_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/actn4-mouse-elisa-kits/alpha-actinin-4-actn-4/246068>