

Goat Actinin Alpha 2 ELISA Kit | ACTN2 elisa kit

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CATALOG #
AAA90152

REACTIVITY
Goat

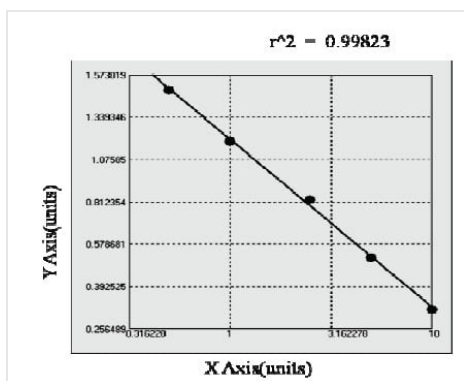
PRODUCT SYNONYMS

Actinin Alpha 2; Goat Actinin Alpha 2 ELISA Kit; ACTN2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Goat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This ACTN2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat ACTN2. 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 ACTN2 elisa kit

Principle of the Assay: ACTN2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ACTN2 antibody and an ACTN2-HRP conjugate. The assay sample and buffer are incubated together with ACTN2-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 ACTN2 concentration since ACTN2 from samples and ACTN2-HRP conjugate compete for the anti-ACTN2 antibody binding site. Since the number of sites is limited, as more sites are occupied by ACTN2 from the sample, fewer sites are left to bind ACTN2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ACTN2 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for ACTN2 elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4501893
NCBI GeneID	88
NCBI Accession #	NP_001094.1
NCBI GenBank Nucleotide #	NM_001103.3
Molecular Weight	103,920 Da
NCBI Official Full Name	alpha-actinin-2 isoform 1
NCBI Official Synonym Full Names	actinin, alpha 2
NCBI Official Symbol	ACTN2
NCBI Official Synonym Symbols	CMD1AA
NCBI Protein Information	alpha-actinin-2; F-actin cross-linking protein; alpha-actinin skeletal muscle
UniProt Protein Name	Alpha-actinin-2
UniProt Gene Name	ACTN2
UniProt Entry Name	ACTN2_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/actn2-goat-elisa-kits/actinin-alpha-2/90152>