

Sheep Actinin Alpha 2 ELISA Kit | ACTN2 elisa kit

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CATALOG #
AAA91554

REACTIVITY
Sheep

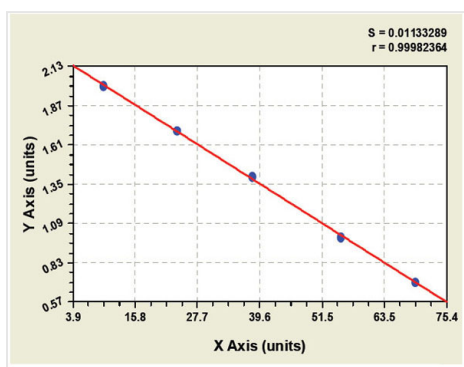
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACTN2 elisa kit

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

INTENDED USE This ACTN2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep ACTN2. This ELISA kit for research use only!

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.

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-sheep-elisa-kits/actinin-alpha-2/91554>