

Sheep Actinin Alpha 3 ELISA Kit | ACTN3 elisa kit

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CATALOG #
AAA96044

REACTIVITY
Sheep

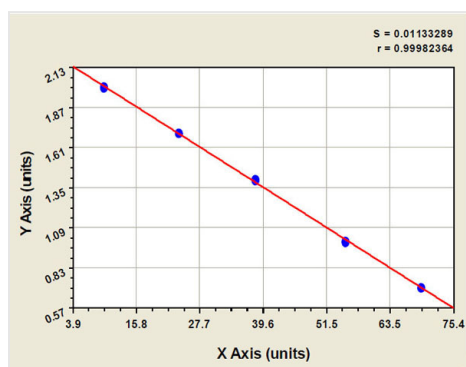
PRODUCT SYNONYMS

Actinin Alpha 3; Sheep Actinin Alpha 3 ELISA Kit; ACTN3 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 ACTN3 elisa kit

Principle of the assay: ACTN3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ACTN3 antibody and an ACTN3-HRP conjugate. The assay sample and buffer are incubated together with ACTN3-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 ACTN3 concentration since ACTN3 from samples and ACTN3-HRP conjugate compete for the anti-ACTN3 antibody binding site. Since the number of sites is limited, as more sites are occupied by ACTN3 from the sample, fewer sites are left to bind ACTN3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ACTN3 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for ACTN3 elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	385648244
NCBI GeneID	89
NCBI Accession #	NP_001245300.1
NCBI GenBank Nucleotide #	NM_001258371.1
Molecular Weight	103,241 Da
NCBI Official Full Name	alpha-actinin-3 isoform 2
NCBI Official Synonym Full Names	actinin, alpha 3
NCBI Official Symbol	ACTN3
NCBI Protein Information	alpha-actinin-3; F-actin cross-linking protein; alpha-actinin skeletal muscle
UniProt Protein Name	Alpha-actinin-3
UniProt Gene Name	ACTN3
UniProt Entry Name	ACTN3_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/actn3-sheep-elisa-kits/actinin-alpha-3/96044>