

Human Actinin Alpha 3 ELISA Kit | ACTN3 elisa kit

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CATALOG #
AAA82031

REACTIVITY
Human

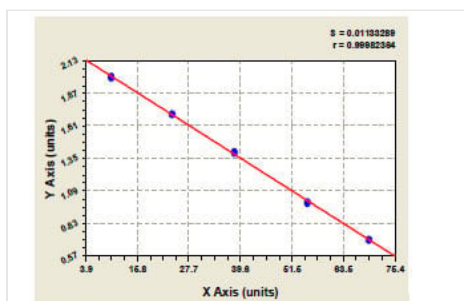
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
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 ACTN3 elisa kit

Intended Uses: This ACTN3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ACTN3. This ELISA kit for research use only!

Principle of the Assay||ACTN3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal 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 #	4557241
NCBI GeneID	89
NCBI Accession #	NP_001095.1
NCBI GenBank Nucleotide #	NM_001104.2
Molecular Weight	103,241 Da
NCBI Official Full Name	alpha-actinin-3 isoform 1
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-human-elisa-kits/actinin-alpha-3/82031>