

Human Alpha-actinin-3 ELISA Kit | ACTN3 elisa kit

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CATALOG #
AAA56630

REACTIVITY
Human

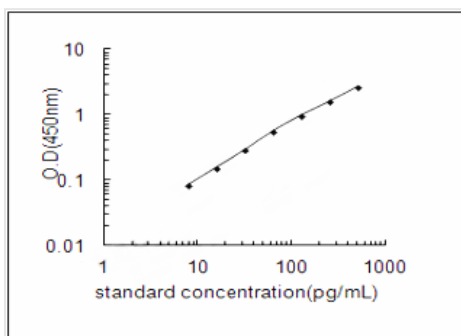
PRODUCT SYNONYMS

Alpha-actinin-3; Human Alpha-actinin-3 ELISA Kit; Alpha-actinin skeletal muscle isoform 3; F-actin cross-linking protein; ACTN3; ACTN3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay recognizes recombinant and natural humanAlpha-actinin-3. No significant cross-reactivity or interference was observed.
Sequence Length	901
Assay Type	Sandwich
Detection Range	7.8-500 pg/mL
Sensitivity	4.1pg/mL
Intra-Assay CV	<=4.2%
Inter-Assay CV	<=7.1%
Recovery	101%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACTN3 elisa kit	Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of human Alpha-actinin-3 concentrations in serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids. Principle of the Assay The microtiter plate provided in this kit has been pre-coated with an antibody specific to Alpha-actinin-3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for Alpha-actinin-3 and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain Alpha-actinin-3, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of Alpha-actinin-3 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	585866354
NCBI GeneID	89
NCBI Accession #	NP_001095.2
NCBI GenBank Nucleotide #	NM_001104.3
UniProt Accession #	Q08043; Q4KKV2; A6NP77
Molecular Weight	103,241 Da
NCBI Official Full Name	alpha-actinin-3 isoform 1
NCBI Official Synonym Full Names	actinin alpha 3 (gene/pseudogene)
NCBI Official Symbol	ACTN3
NCBI Protein Information	alpha-actinin-3
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.