

Mouse Actn1 (Alpha-actinin-1) ELISA Kit | Actn1 elisa kit

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CATALOG #
AAA250534

REACTIVITY
Mouse

PRODUCT SYNONYMS

Actn1 (Alpha-actinin-1); Mouse Actn1 (Alpha-actinin-1) ELISA Kit; Alpha-actinin-1; Alpha-actinin cytoskeletal isoform; F-actin cross-linking protein; Non-muscle alpha-actinin-1; Actn1; Actn1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Actn1. No significant cross-reactivity or interference between Actn1 and analogues was observed.
Assay Type	Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

ADDITIONAL INFORMATION

Related Product Information for Actn1 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96- well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP -Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	61097906
NCBI GeneID	109711
NCBI Accession #	NP_598917.1
NCBI GenBank Nucleotide #	NM_134156.2
UniProt Accession #	Q7TPR4
Molecular Weight	103,068 Da
NCBI Official Full Name	alpha-actinin-1

NCBI Official Synonym Full Names	actinin, alpha 1
NCBI Official Symbol	Actn1
NCBI Official Synonym Symbols	Actn1a; 3110023F10Rik
NCBI Protein Information	alpha-actinin-1; alpha actinin 1a; non-muscle alpha-actinin-1; F-actin cross-linking protein; alpha-actinin cytoskeletal isoform
UniProt Protein Name	Alpha-actinin-1
UniProt Gene Name	Actn1
UniProt Entry Name	ACTN1_MOUSE

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://www.aaabiotech.com/mouse-elisa-kits/actn1-alpha-actinin-1/250534>