

Human Actin Alpha 1, Skeletal Muscle ELISA Kit | ACTalpha1 elisa kit

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CATALOG #
AAA100116

REACTIVITY
Human

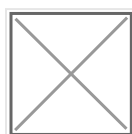
PRODUCT SYNONYMS

Actin Alpha 1; Skeletal Muscle; Human Actin Alpha 1; Skeletal Muscle ELISA Kit; ACTalpha1/ACTA1/ASMA/CFTD/CFTD1/CFTDM/MPFD/NEM1/NEM2/NEM3; ACTalpha1 elisa kit

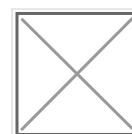
PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	254
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
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

IMAGES



Standard Curve (Sample)



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACTalpha1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human ACTalpha1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human ACT alpha1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRPStreptavidin 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 Human ACTalpha1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human ACTalpha1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	30908859
NCBI GeneID	58
Molecular Weight	42,051 Da
NCBI Official Full Name	actin alpha 1 skeletal muscle protein

NCBI Official Synonym Full Names	actin, alpha 1, skeletal muscle
NCBI Official Symbol	ACTA1
NCBI Official Synonym Symbols	ACTA; ASMA; CFTD; MPFD; NEM1; NEM2; NEM3; CFTD1; CFTDM
NCBI Protein Information	actin, alpha skeletal muscle
UniProt Protein Name	Actin, alpha skeletal muscle
UniProt Gene Name	ACTA1
UniProt Synonym Gene Names	ACTA
UniProt Entry Name	ACTS_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/actalpha1-human-elisa-kits/actin-alpha-1-skeletal-muscle/100116>