Human ACTalpha1 (Actin Alpha 1, Skeletal Muscle) CLIA Kit | ACTa1 clia kit

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CATALOG #	REACTIVITY
AAA171232	**Human**

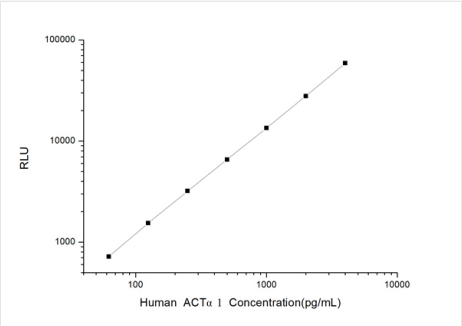
PRODUCT SYNONYMS

ACTalpha1 (Actin Alpha 1; Skeletal Muscle); Human ACTalpha1 (Actin Alpha 1; Skeletal Muscle) CLIA Kit; ACTA1; ASMA; CFTD; CFTD1; CFTDM; MPFD; NEM1; NEM2; NEM3; Human ACTa1 (Actin Alpha 1; Human ACTa1; ACTa1 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes natural and recombinant ACTalpha1. No significant cross-reactivity or interference between ACTalpha1 and analogues was observed.
Sequence Length	254
Assay Type	Sandwich
Detection Range	62.5-4000pg/mL
Sensitivity	Min: 37.5pg/mL; Max: 4000pg/mL

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACTa1 clia kit	Intended Uses: This CLIA kit applies to the in vitro quantitative determination of ACTalpha1 concentrations in serum, plasma and other biological fluids. Principle of the Assay: This kit uses Sandwich-CLIA as the method. The micro CLIA plate provided in this kit has been pre-coated with an antibody specific to ACTalpha1. Standards or samples are added to the appropriate micro CLIA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for ACTalpha1 and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain ACTalpha1, biotinylated detection antibody and Avidin-HRP conjugate will appear fluorescence. The Relative light unit (RLU) value is measured spectrophotometrically by the Chemiluminescence immunoassay analyzer. The RLU value is positively associated with the concentration of ACTalpha1. You can calculate the concentration of ACTalpha1 in the samples by comparing the RLU value of the samples to the standard curve.

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/acta1-human-clia-kits/actalpha1-actin-alpha-1-skeletal-muscle/171232