

Actin Alpha 2, Smooth Muscle (ACTa2) ELISA Kit | ACTa2 elisa kit

Multi-species Actin Alpha 2, Smooth Muscle (ACTa2) ELISA Kit

CATALOG #
AAA184609

REACTIVITY
Human, Mouse, Rat

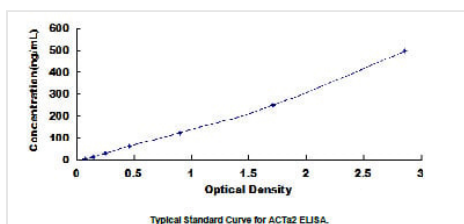
PRODUCT SYNONYMS

Actin Alpha 2; Smooth Muscle (ACTa2); Multi-species Actin Alpha 2; Smooth Muscle (ACTa2) ELISA Kit; Human/Mouse/Rat Actin Alpha 2; Smooth Muscle (ACTa2) (Sandwich ELISA) ELISA Kit; ACT-A2; ACTSA; ACTVS; Asma; GIG46; Cell growth-inhibiting gene 46 protein; ACTa2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Specificity	This assay has high sensitivity for detection of ACTa2. 100% cross-reactivity of ACTa2 was observed among human, mouse and rat.
Sequence Length	377
Samples	tissue homogenates, cell lysates and other biological fluids
Detection Range	7.8-500ng/mL
Sensitivity	<3.3ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ACTa2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ACTa2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACTa2 elisa kit

Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ACTa2 in tissue homogenates, cell lysates and other biological fluids. Due to the 100% homology of the sequence among different species, the kit can be used to detect human, mouse and rat samples.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119570540
NCBI GeneID	59
Molecular Weight	42,009 Da
NCBI Official Full Name	actin, alpha 2, smooth muscle, aorta, isoform CRA_a
NCBI Official Synonym Full Names	actin, alpha 2, smooth muscle, aorta
NCBI Official Symbol	ACTA2
NCBI Official Synonym Symbols	ACTSA
NCBI Protein Information	actin, aortic smooth muscle
UniProt Protein Name	Actin, alpha 2, smooth muscle, aorta
UniProt Gene Name	ACTA2

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-mouse-rat-elisa-kits/actin-alpha-2-smooth-muscle-acta2/184609>