

Rat actin, alpha 2, smooth muscle, aorta ELISA Kit | ACTA2 elisa kit

Rat alpha-Smooth muscle actin, alpha-SMA ELISA Kit

CATALOG #
AAA15073

REACTIVITY
Rat

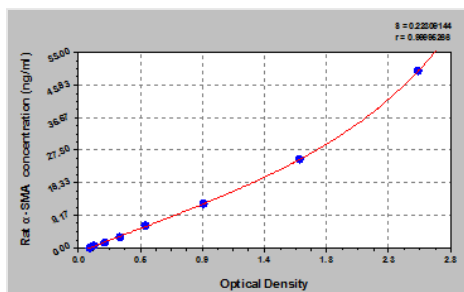
PRODUCT SYNONYMS

actin; alpha 2; smooth muscle; aorta; Rat alpha-Smooth muscle actin; alpha-SMA ELISA Kit; AAT6; ACTSA; alpha 2 actin; alpha-cardiac actin; growth-inhibiting gene 46; ACTA2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of rat alpha-SMA. No significant cross-reactivity or interference between rat alpha-SMA and analogues was observed.
Sequence Length	377
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and tissue homogenates
Detection Range	0.78 ng/ml-50 ng/ml
Sensitivity	< 0.195 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACTA2 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for alpha-SMA has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any alpha-SMA present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for alpha-SMA is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of alpha-SMA bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	156119362
NCBI GeneID	100009271
NCBI Accession #	NP_001095152.1
NCBI GenBank Nucleotide #	NM_001101682.2
UniProt Accession #	P62740; P03996; P04108
Molecular Weight	42,009 Da
NCBI Official Full Name	actin, aortic smooth muscle
NCBI Official Symbol	ACTA2
NCBI Protein Information	actin, aortic smooth muscle; alpha-actin-2; alpha-smooth muscle actin
UniProt Protein Name	Actin, aortic smooth muscle
UniProt Gene Name	ACTA2
UniProt Synonym Gene Names	ACTSA; ACTVS
UniProt Entry Name	ACTA_RABIT

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/acta2-rat-elisa-kits/actin-alpha-2-smooth-muscle-aorta/15073>