

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

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

CATALOG #
AAA15183

REACTIVITY
Human

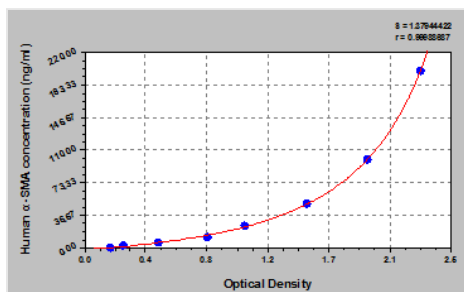
PRODUCT SYNONYMS

actin; alpha 2; smooth muscle; aorta; Human 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	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human alpha-SMA. No significant cross-reactivity or interference between human alpha-SMA and analogues was observed.
Sequence Length	377
Samples	Serum, tissue homogenates, urine
Assay Type	Quantitative Sandwich
Detection Range	3.12 ng/ml -200 ng/ml
Sensitivity	Typically less than 0.78 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 #	213688375
NCBI GeneID	59
NCBI Accession #	NP_001135417.1
NCBI GenBank Nucleotide #	NM_001141945.1
UniProt Accession #	P62736; P03996; P04108; Q6FI19; B2R8A4
Molecular Weight	42,009 Da
NCBI Official Full Name	actin, aortic smooth muscle
NCBI Official Synonym Full Names	actin, alpha 2, smooth muscle, aorta
NCBI Official Symbol	ACTA2
NCBI Official Synonym Symbols	AAT6; ACTSA; MYMY5
NCBI Protein Information	actin, aortic smooth muscle; alpha-cardiac actin; cell growth-inhibiting gene 46 protein
UniProt Protein Name	Actin, aortic smooth muscle
UniProt Gene Name	ACTA2
UniProt Synonym Gene Names	ACTSA; ACTVS; GIG46
UniProt Entry Name	ACTA_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/acta2-human-elisa-kits/actin-alpha-2-smooth-muscle-aorta/15183>