

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

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CATALOG #
AAA82742

REACTIVITY
Rabbit

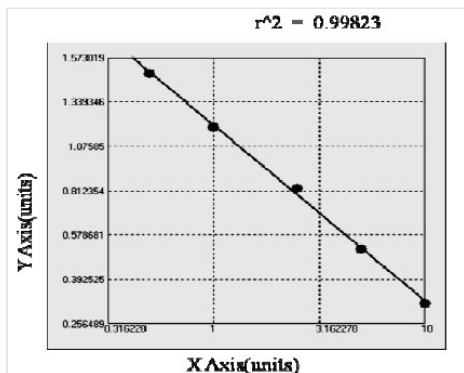
PRODUCT SYNONYMS

Actin Alpha 1; Skeletal Muscle; Rabbit Actin Alpha 1; Skeletal Muscle ELISA Kit; ACTalpha1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rabbit
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5ng/mL-10ng/
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACTAlpha1 elisa kit	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE This ACTa1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rabbit ACTa1. This ELISA kit for research use only! PRINCIPLE OF THE ASSAY ACTa1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ACTa1 antibody and an ACTa1-HRP conjugate. The assay sample and buffer are incubated together with ACTa1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ACTa1 concentration since ACTa1 from samples and ACTa1-HRP conjugate compete for the anti-ACTa1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ACTa1 from the sample, fewer sites are left to bind ACTa1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ACTa1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for ACTAlpha1 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	50659080
NCBI GeneID	12
NCBI Accession #	NP_001076.2
NCBI GenBank Nucleotide #	NM_001085.4
Molecular Weight	10,717 Da
NCBI Official Full Name	alpha-1-antichymotrypsin
NCBI Official Synonym Full Names	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 3
NCBI Official Symbol	SERPINA3
NCBI Official Synonym Symbols	ACT; AACT; GIG24; GIG25
NCBI Protein Information	alpha-1-antichymotrypsin; serpin A3; growth-inhibiting protein 24; growth-inhibiting protein 25; cell growth-inhibiting gene 24/25 protein; serine (or cysteine) proteinase inhibitor, clade A, member 3
UniProt Protein Name	Alpha-1-antichymotrypsin
UniProt Gene Name	SERPINA3
UniProt Synonym Gene Names	AACT; GIG24; GIG25; ACT
UniProt Entry Name	AACT_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-rabbit-elisa-kits/actin-alpha-1-skeletal-muscle/82742>