

Bovine Actin, alpha skeletal muscle (ACTA1) ELISA Kit | ACTA1 elisa kit

Bovine Actin, alpha skeletal muscle (ACTA1) ELISA Kit

CATALOG #
AAA245395

REACTIVITY
Bovine

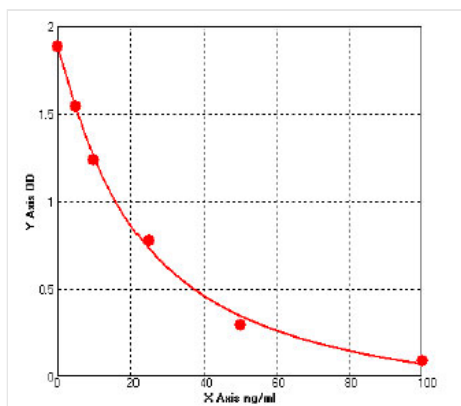
PRODUCT SYNONYMS

Actin; alpha skeletal muscle (ACTA1); Bovine Actin; alpha skeletal muscle (ACTA1) ELISA Kit; ACTA1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of ACTA1. No significant cross-reactivity or interference between ACTA1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ACTA1 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACTA1 elisa kit	Intended Uses: This ACTA1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine ACTA1. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: ACTA1 ELISA kit applies the competitive enzyme immunoassay technique utilizing an 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 ACTA1 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	4501881
NCBI GeneID	58
NCBI Accession #	NP_001091.1
NCBI GenBank Nucleotide #	NM_001100.3
Molecular Weight	42,051 Da
NCBI Official Full Name	actin, alpha skeletal muscle
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; nemaline myopathy type 3
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/bovine-ovine-elisa-kits/actin-alpha-skeletal-muscle-acta1/245395>