Porcine Actin, alpha cardiac muscle 1 (ACTC1) ELISA Kit | ACTC1 elisa kit

Porcine Actin, alpha cardiac muscle 1 (ACTC1) ELISA Kit

CATALOG #	REACTIVITY
AAA246949	**Porcine**

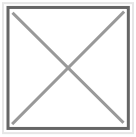
PRODUCT SYNONYMS

Actin; alpha cardiac muscle 1 (ACTC1); Porcine Actin; alpha cardiac muscle 1 (ACTC1) ELISA Kit; ACTC1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Specificity	This assay has high sensitivity and excellent specificity for detection of ACTC1. No significant cross-reactivity or interference between ACTC1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ACTC1 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	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACTC1 elisa kit	Intended Uses: This ACTC1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine ACTC1. This ELISA kit for research use only! Principle of the Assay: ACTC1 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-ACTC1 antibody and an ACTC1-HRP conjugate. The assay sample and buffer are incubated together with ACTC1-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 ACTC1 concentration since ACTC1 from samples and ACTC1-HRP conjugate compete for the anti-ACTC1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ACTC1 from the sample, fewer sites are left to bind ACTC1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ACTC1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for ACTC1 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885049
NCBI GeneID	70
NCBI Accession #	NP_005150.1
NCBI GenBank Nucleotide #	NM_005159.4
Molecular Weight	42,019 Da
NCBI Official Full Name	actin, alpha cardiac muscle 1 proprotein
NCBI Official Synonym Full Names	actin, alpha, cardiac muscle 1
NCBI Official Symbol	ACTC1
NCBI Official Synonym Symbols	ACTC; ASD5; CMD1R; CMH11; LVNC4
NCBI Protein Information	actin, alpha cardiac muscle 1
UniProt Protein Name	Actin, alpha cardiac muscle 1
UniProt Gene Name	**ACTC1**
UniProt Synonym Gene Names	ACTC
UniProt Entry Name	ACTC_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/porcine-elisa-kits/actin-alpha-cardiac-muscle-1-actc1/246949