

Human Actin, alpha Cardiac Muscle 1 (ACTC1) ELISA Kit | ACTC1 elisa kit

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CATALOG #
AAA331083

REACTIVITY
Human

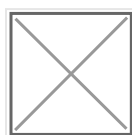
PRODUCT SYNONYMS

Actin; alpha Cardiac Muscle 1 (ACTC1); Human Actin; alpha Cardiac Muscle 1 (ACTC1) ELISA Kit; ACTC1; ACTC; ASD5; CMD1R; CMH11; cardiac muscle alpha actin 1; ACTC1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	377
Assay Type	Sandwich
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACTC1 elisa kit

Principle of the Assay: Human Actin, Alpha Cardiac Muscle 1 (ACTC1) ELISA Kit employs a two-site sandwich ELISA to quantitate ACTC1 in samples. An antibody specific for ACTC1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ACTC1 present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Human ACTC1 detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen solution is added to the wells and color develops in proportion to the amount of ACTC1 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Background/Introduction: Actins are highly conserved proteins that are involved in various types of cell motility. Polymerization of globular actin (G-actin) leads to a structural filament (F-actin) in the form of a two-stranded helix. Each actin can bind to four others. The protein encoded by this gene belongs to the actin family which is comprised of three main groups of actin isoforms, alpha, beta, and gamma. The alpha actins are found in muscle tissues and are a major constituent of the contractile apparatus. Defects in this gene have been associated with idiopathic dilated cardiomyopathy (IDC) and familial hypertrophic cardiomyopathy (FHC).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885049
NCBI GeneID	70
NCBI Accession #	NP_005150.1
NCBI GenBank Nucleotide #	NP_005150.1

UniProt Accession #	P68032
NCBI Official Full Name	actin, alpha cardiac muscle 1
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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/actin-alpha-cardiac-muscle-1-actc1/331083>