

Human Myosin Heavy Chain 6, Cardiac Muscle, Alpha (MYH6) ELISA Kit | MYH6 elisa kit

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CATALOG #
AAA23045

REACTIVITY
Human

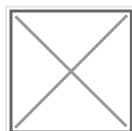
PRODUCT SYNONYMS

Myosin Heavy Chain 6; Cardiac Muscle; Alpha (MYH6); Human Myosin Heavy Chain 6; Alpha (MYH6) ELISA Kit; ASD3; MYHC; MYHCA; MyHC-alpha; Cardiomyopathy; Hypertrophic 1; Myosin heavy chain; cardiac muscle alpha isoform; MYH6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MYH6. No significant cross-reactivity or interference between MYH6 and analogues was observed.
Sequence Length	1939
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	< 0.055ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MYH6 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level MYH6 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MYH6 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MYH6 in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to MYH6. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to MYH6. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain MYH6, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of MYH6 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	156104908
NCBI GeneID	4624
NCBI Accession #	NP_002462.2
NCBI GenBank Nucleotide #	NM_002471.3
UniProt Accession #	P13533; Q13943; Q14906; Q14907; A2RTX1; D9YZU2
Molecular Weight	223,735 Da
NCBI Official Full Name	myosin-6
NCBI Official Synonym Full Names	myosin heavy chain 6
NCBI Official Symbol	MYH6
NCBI Official Synonym Symbols	ASD3; MYHC; SSS3; CMH14; MYHCA; CMD1EE; alpha-MHC
NCBI Protein Information	myosin-6
UniProt Protein Name	Myosin-6
UniProt Gene Name	MYH6
UniProt Synonym Gene Names	MYHCA; MyHC-alpha

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/human-elisa-kits/myosin-heavy-chain-6-cardiac-muscle-alpha-myh6/23045>