Rat Myosin Heavy Chain 7, Cardiac Muscle, Beta (MYH7) ELISA Kit | MYH7 elisa kit

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CATALOG #	REACTIVITY
AAA140400	**Rat**

PRODUCT SYNONYMS

Myosin Heavy Chain 7; Cardiac Muscle; Beta (MYH7); Rat Myosin Heavy Chain 7; Beta (MYH7) ELISA Kit; CMD1S; CMH1; MPD1; MYHCB; Myopathy; Distal 1; Myosin heavy chain slow isoform; Myosin heavy chain; cardiac muscle beta isoform; MYH7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Myosin Heavy Chain 7, Cardiac Muscle, Beta (MYH7). No significant cross-reactivity or interference between Myosin Heavy Chain 7, Cardiac Muscle, Beta (MYH7) and analogues was observed.
Sequence Length	1,935
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates and Other Biological Fluids
Detection Range	125.00-8000pg/mL
Sensitivity	< 52pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Myosin Heavy Chain 7, Cardiac Muscle, Beta (MYH7) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Myosin Heavy Chain 7, Cardiac Muscle, Beta (MYH7) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 MYH7 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Myosin Heavy Chain 7, Cardiac Muscle, Beta (MYH7). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Myosin Heavy Chain 7, Cardiac Muscle, Beta (MYH7). 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 Myosin Heavy Chain 7, Cardiac Muscle, Beta (MYH7), 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 Myosin Heavy Chain 7, Cardiac Muscle, Beta (MYH7) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for MYH7 elisa kit	Metabolic pathway

NCBI AND UNIPROT INFORMATION

NCBI GI #	83304912
NCBI GeneID	4625
Molecular Weight	223,097 Da
NCBI Official Full Name	Myosin-7
NCBI Official Synonym Full Names	myosin, heavy chain 7, cardiac muscle, beta
NCBI Official Symbol	MYH7
NCBI Official Synonym Symbols	CMH1; MPD1; SPMD; SPMM; CMD1S; MYHCB
NCBI Protein Information	myosin-7
UniProt Protein Name	Myosin-7
UniProt Gene Name	**MYH7**
UniProt Synonym Gene Names	MYHCB; MyHC-slow; MyHC-beta
UniProt Entry Name	MYH7_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/rat-elisa-kits/myosin-heavy-chain-7-cardiac-muscle-beta-myh7/140400