

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

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CATALOG #
AAA217266

REACTIVITY
Rat

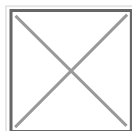
PRODUCT SYNONYMS

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 rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of MYH7. No significant cross-reactivity or interference between MYH7 and analogues was observed.
Sequence Length	1935
Samples	Serum, plasma, tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	125-8000pg/mL
Sensitivity	< 43pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MYH7 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 MYH7 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MYH7 rtu elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of MYH7 in rat serum, plasma, tissue homogenates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to MYH7. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to 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 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 MYH7 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 #	8393807
NCBI GeneID	29557
NCBI Accession #	NP_058936.1
NCBI GenBank Nucleotide #	NM_017240.2
UniProt Accession #	P02564
Molecular Weight	223,083 Da
NCBI Official Full Name	myosin-7
NCBI Official Synonym Full Names	myosin heavy chain 7
NCBI Official Symbol	Myh7
NCBI Official Synonym Symbols	Bmyo; Myhcb; myHC-beta; myHC-slow
NCBI Protein Information	myosin-7
UniProt Protein Name	Myosin-7
UniProt Gene Name	Myh7
UniProt Synonym Gene Names	MyHC-slow; MyHC-beta

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-rtu-elisa-kits/myosin-heavy-chain-7-cardiac-muscle-beta-myh7/217266>