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

Rat Myosin Heavy Chain 6, Cardiac Muscle, Alpha (MYH6) Wide-range ELISA Kit

CATALOG #	REACTIVITY	APPLICATIONS
AAA189208	**Rat**	**ELISA**

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Wide-range Myosin Heavy Chain 6, Cardiac Muscle, Alpha (MYH6). No significant cross-reactivity or interference between Wide-range Myosin Heavy Chain 6, Cardiac Muscle, Alpha (MYH6) and analogues was observed.
Sequence Length	1938
Assay Type	Double-antibody Sandwich
Samples	tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.118ng/mL
Applicable Applications for MYH6 elisa kit	ELISA
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Wide-range Myosin Heavy Chain 6, Cardiac Muscle, Alpha (MYH6) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Wide-range Myosin Heavy Chain 6, Cardiac Muscle, Alpha (MYH6) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	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 Wide-range Myosin Heavy Chain 6, Cardiac Muscle, Alpha (MYH6). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Wide-range Myosin Heavy Chain 6, Cardiac Muscle, Alpha (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 Wide-range Myosin Heavy Chain 6, Cardiac Muscle, Alpha (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 Wide-range Myosin Heavy Chain 6, Cardiac Muscle, Alpha (MYH6) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	127741
NCBI GeneID	29556
UniProt Accession #	P02563
NCBI Official Full Name	Myosin-6
NCBI Official Synonym Full Names	myosin heavy chain 6
NCBI Official Symbol	Myh6
NCBI Official Synonym Symbols	Myh7; Myhca; Myosin-7; MyHC-beta; MyHC-slow
NCBI Protein Information	myosin-6
UniProt Protein Name	Myosin-6
UniProt Gene Name	**Myh6**
UniProt Synonym Gene Names	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.

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Online datasheet: https://stage.aaabiotech.com/rat-elisa-kits/myosin-heavy-chain-6-cardiac-muscle-alpha-myh6/189208