

Human Myosin Heavy Chain 10, Non Muscle (MYH10) ELISA Kit | MYH10 elisa kit

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CATALOG #
AAA66087

REACTIVITY
Human

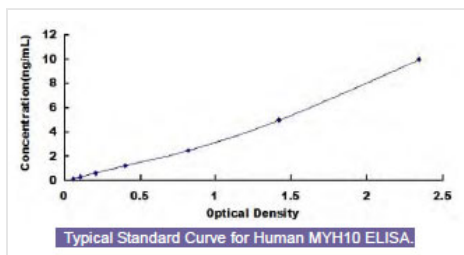
PRODUCT SYNONYMS

Myosin Heavy Chain 10; Non Muscle (MYH10); Human Myosin Heavy Chain 10; Non Muscle (MYH10) ELISA Kit; NMMHCB; Cellular myosin heavy chain; type B; Myosin heavy chain; non-muscle IIb; MYH10 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MYH10. No significant cross-reactivity or interference between MYH10 and analogues was observed.
Sequence Length	2007
Samples	Serum, plasma and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.057ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MYH10 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 MYH10 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MYH10 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MYH10 in human serum, plasma and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to MYH10. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to MYH10. 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 MYH10, 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 MYH10 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 #	365192532
NCBI GeneID	4628
NCBI Accession #	NP_001242941.1
NCBI GenBank Nucleotide #	NM_001256012.1
UniProt Accession #	P35580; Q12989; Q149N3; Q149N4; Q16087; Q4LE45; Q6PK16; Q9BWG0; B2RWP9; D3DTS1; F8VTL3
Molecular Weight	230,030 Da
NCBI Official Full Name	myosin-10 isoform 1
NCBI Official Synonym Full Names	myosin heavy chain 10
NCBI Official Symbol	MYH10
NCBI Official Synonym Symbols	NMMHCB; NMMHC-IIB
NCBI Protein Information	myosin-10
UniProt Protein Name	Myosin-10
UniProt Gene Name	MYH10
UniProt Synonym Gene Names	NMMHC-B; NMMHC II-b; NMMHC-IIB

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/myosin-heavy-chain-10-non-muscle-myh10/66087>