

Mouse Myosin Heavy Chain 10, Non Muscle ELISA Kit | MYH10 elisa kit

Mouse Myosin Heavy Chain 10, Non Muscle (MYH10) (Sandwich ELISA) ELISA Kit

CATALOG # AAA189992	REACTIVITY Mouse
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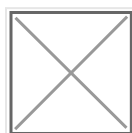
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Myosin Heavy Chain 10, Non Muscle (MYH10). No significant cross-reactivity or interference between Myosin Heavy Chain 10, Non Muscle (MYH10) and analogues was observed. Reactive with Mouse MYH10 / Myosin Heavy Chain 10, Non Muscle
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.057ng/mL
Detection Method	Colormetric
Assay Precision	Intra-Assay: CV<10%, Inter-Assay: CV<12%
Preparation and Storage	4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year

IMAGES



Standard Curve (Sample)

Typical Standard Curve for MYH10 ELISA (Sandwich)

ADDITIONAL INFORMATION

Related Product Information for MYH10 elisa kit	Principle of the Assay 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 10, Non Muscle (MYH10). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Myosin Heavy Chain 10, Non Muscle (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 Myosin Heavy Chain 10, Non Muscle (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 Myosin Heavy Chain 10, Non Muscle (MYH10) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for MYH10 elisa kit	Metabolic pathway

NCBI AND UNIPROT INFORMATION

NCBI GI #	33598964
NCBI GeneID	77579
NCBI Accession #	NP_780469.1
NCBI GenBank Nucleotide #	NM_175260.2
UniProt Accession #	Q61879; Q5SV63
Molecular Weight	228,996 Da
NCBI Official Full Name	myosin-10
NCBI Official Synonym Full Names	myosin, heavy polypeptide 10, non-muscle
NCBI Official Symbol	Myh10
NCBI Official Synonym Symbols	FItn; Myhn2; SMemb; Myhn-2; NMHC-B; NMMHC-B; NMHCII-B; NMHC II-B; NMMHC-IIB; mKIAA3005; NMMHC II-b; 5730504C04Rik; 9330167F11Rik
NCBI Protein Information	myosin-10; flectin; myosin IIB; non-muscle myosin heavy chain B; myosin heavy chain 10, non-muscle; non-muscle myosin heavy chain IIb; nonmuscle myosin heavy chain II-B; myosin heavy chain, non-muscle IIb; cellular myosin heavy chain, type B; myosin heavy
UniProt Protein Name	Myosin-10
UniProt Gene Name	Myh10
UniProt Synonym Gene Names	NMMHC-B; NMMHC II-b; NMMHC-IIB
UniProt Entry Name	MYH10_MOUSE

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/myh10-mouse-elisa-kits/myosin-heavy-chain-10-non-muscle/189992>