Human Myosin Heavy Chain 2, Skeletal Muscle, Adult (MYH2) ELISA Kit | MYH2 elisa kit

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CATALOG #	REACTIVITY
AAA139351	**Human**

PRODUCT SYNONYMS

Myosin Heavy Chain 2; Skeletal Muscle; Adult (MYH2); Human Myosin Heavy Chain 2; Adult (MYH2) ELISA Kit; MYH2A; MYHSA2; MYHas8; MyHC-2A; MyHC-IIa; MYH2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Myosin Heavy Chain 2, Skeletal Muscle, Adult (MYH2). No significant cross-reactivity or interference between Myosin Heavy Chain 2, Skeletal Muscle, Adult (MYH2) and analogues was observed.
Sequence Length	1941
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.115ng/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 2, Skeletal Muscle, Adult (MYH2) 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 2, Skeletal Muscle, Adult (MYH2) 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 MYH2 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 2, Skeletal Muscle, Adult (MYH2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Myosin Heavy Chain 2, Skeletal Muscle, Adult (MYH2). 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 2, Skeletal Muscle, Adult (MYH2), 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 2, Skeletal Muscle, Adult (MYH2) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for MYH2 elisa kit	Metabolic pathway; Developmental science; Bone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	153791586
NCBI GeneID	4620
NCBI Accession #	NP_001093582.1
NCBI GenBank Nucleotide #	NM_001100112.1
Molecular Weight	79,880 Da
NCBI Official Full Name	myosin-2
NCBI Official Synonym Full Names	myosin, heavy chain 2, skeletal muscle, adult
NCBI Official Symbol	MYH2
NCBI Official Synonym Symbols	IBM3; MYH2A; MYPOP; MYHSA2; MYHas8; MyHC-2A; MyHC-IIa
NCBI Protein Information	myosin-2
UniProt Protein Name	Myosin-2
UniProt Gene Name	**MYH2**
UniProt Synonym Gene Names	MYHSA2; MyHC-2a; MyHC-IIa
UniProt Entry Name	MYH2_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/human-elisa-kits/myosin-heavy-chain-2-skeletal-muscle-adult-myh2/139351