

Mouse Myosin-1 (MYH1) ELISA Kit | MYH1 elisa kit

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CATALOG #
AAA245102

REACTIVITY
Mouse

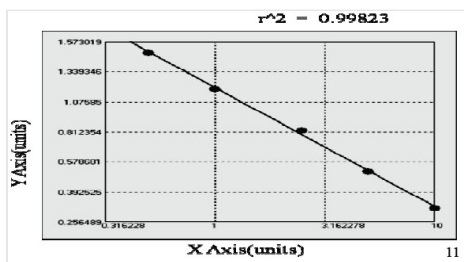
PRODUCT SYNONYMS

Myosin-1 (MYH1); Mouse Myosin-1 (MYH1) ELISA Kit; MYH1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	100-2500pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This MYH1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse MYH1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MYH1 elisa kit

Principle of the assay: MYH1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-MYH1 antibody and an MYH1-HRP conjugate. The assay sample and buffer are incubated together with MYH1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the MYH1 concentration since MYH1 from samples and MYH1-HRP conjugate compete for the anti-MYH1 antibody binding site. Since the number of sites is limited, as more sites are occupied by MYH1 from the sample, fewer sites are left to bind MYH1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MYH1 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for MYH1 elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	115527082
NCBI GeneID	4619
NCBI Accession #	NP_005954.3
NCBI GenBank Nucleotide #	NM_005963.3
Molecular Weight	223,145 Da
NCBI Official Full Name	myosin-1
NCBI Official Synonym Full Names	myosin, heavy chain 1, skeletal muscle, adult
NCBI Official Symbol	MYH1
NCBI Official Synonym Symbols	MYHa; HEL71; MYHSA1; MyHC-2x; MyHC-2X/D
NCBI Protein Information	myosin-1; myHC-IIx/d; myosin heavy chain 1; myosin heavy chain 2x; myosin heavy chain IIx/d; epididymis luminal protein 71; myosin heavy chain, skeletal muscle, adult 1; myosin, heavy polypeptide 1, skeletal muscle, adult
UniProt Protein Name	Myosin-1
UniProt Gene Name	MYH1
UniProt Synonym Gene Names	MyHC-2x; MyHC-IIx/d
UniProt Entry Name	MYH1_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/mouse-elisa-kits/myosin-1-myh1/245102>