

Human Myosin 4 (MYH4) ELISA Kit | MYH4 elisa kit

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CATALOG #
AAA246766

REACTIVITY
Human

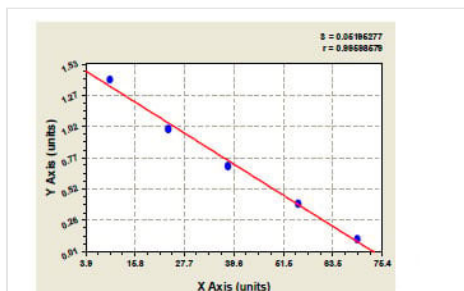
PRODUCT SYNONYMS

Myosin 4 (MYH4); Human Myosin 4 (MYH4) ELISA Kit; MYH4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	100-2500pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



ADDITIONAL INFORMATION

Related Product Information for MYH4 elisa kit

Intended Uses: This MYH4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human MYH4. This ELISA kit for research use only!

Principle of the Assay: MYH4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-MYH4 antibody and an MYH4-HRP conjugate. The assay sample and buffer are incubated together with MYH4-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 MYH4 concentration since MYH4 from samples and MYH4-HRP conjugate compete for the anti-MYH4 antibody binding site. Since the number of sites is limited, as more sites are occupied by MYH4 from the sample, fewer sites are left to bind MYH4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MYH4 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for MYH4 elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	224471840
NCBI GeneID	4622
Molecular Weight	223,071 Da
NCBI Official Full Name	Myosin-4
NCBI Official Synonym Full Names	myosin, heavy chain 4, skeletal muscle
NCBI Official Symbol	MYH4
NCBI Official Synonym Symbols	MYH2B; MyHC-2B; MyHC-IIb
NCBI Protein Information	myosin-4; myosin heavy chain 4; myosin heavy chain 2b; myosin heavy chain IIb; myosin heavy chain, skeletal muscle, fetal; myosin, heavy polypeptide 4, skeletal muscle
UniProt Protein Name	Myosin-4
UniProt Gene Name	MYH4
UniProt Synonym Gene Names	MyHC-2b; MyHC-IIb
UniProt Entry Name	MYH4_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-4-myh4/246766>