

Human Myosin Heavy Chain 6 Cardiac Muscle Alpha ELISA Kit | MYH6 elisa kit

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CATALOG #
AAA88013

REACTIVITY
Human

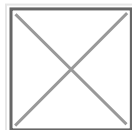
PRODUCT SYNONYMS

Myosin Heavy Chain 6 Cardiac Muscle Alpha; Human Myosin Heavy Chain 6 Cardiac Muscle Alpha ELISA Kit; MYH6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MYH6 elisa kit

For Samples: Cell culture fluid, body fluid, tissue homogenate, serum and blood plasma

Intended Uses: This MYH6 ELISA kit is intended for laboratory research use only. The stop solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of MYH6 in the sample, this MYH6 ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus MYH6 concentration. The concentration of in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Principle of the Assay: The coated well immunoenzymatic assay for the quantitative measurement of MYH6 utilizes a multiclinal anti-MYH6 antibody and an MYH6-HRP conjugate. The assay sample and buffer are incubated together with MYH6-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 MYH6 concentration since MYH6 from samples and MYH6-HRP conjugate compete for the anti-MYH6 antibody binding site. Since the number of sites is limited, as more sites are occupied by MYH6 from the sample, fewer sites are left to bind MYH6-HRP conjugate. Standards of known MYH6 concentrations are run concurrently with the samples being assayed and a standard curve is plotted relating the intensity of the color (Optical Density) to the concentration of MYH6. The MYH6 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	254272872
Molecular Weight	24,062 Da
NCBI Official Full Name	myosin heavy chain 6 cardiac muscle alpha, partial
UniProt Protein Name	Myosin heavy chain 6 cardiac muscle alpha
UniProt Gene Name	Myh6
UniProt Entry Name	C6L7G8_9GOBI

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/myh6-human-elisa-kits/myosin-heavy-chain-6-cardiac-muscle-alpha/88013>