

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

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CATALOG #
AAA17231

REACTIVITY
Rat

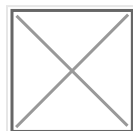
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of CMalphaHc6. No significant cross-reactivity or interference between CMalphaHc6 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CMalphaHc6 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/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

Intended Uses: This CMalphaHc6 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of RatCMalphaHc6. This ELISA kit for research use only, not for therapeutic or test applications!

Principle of the Assay: CMalphaHc6 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CMalphaHc6 antibody and an CMalphaHc6-HRP conjugate. The assay sample and buffer are incubated together with CMalphaHc6-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 CMalphaHc6 concentration since CMalphaHc6 from samples and CMalphaHc6-HRP conjugate compete for the anti-CMalphaHc6 antibody binding site. Since the number of sites is limited, as more sites are occupied by CMalphaHc6 from the sample, fewer sites are left to bind CMalphaHc6-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CMalphaHc6 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-rat-elisa-kits/myosin-heavy-chain-6-cardiac-muscle-alpha/17231>