

Rat Myosin-2 (MYH2) ELISA Kit | MYH2 elisa kit

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CATALOG #
AAA246770

REACTIVITY
Rat

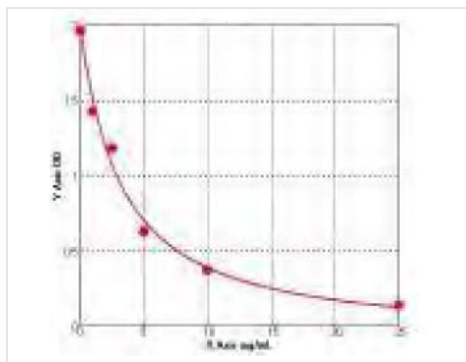
PRODUCT SYNONYMS

Myosin-2 (MYH2); Rat Myosin-2 (MYH2) ELISA Kit; MYH2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of MYH2. No significant cross-reactivity or interference between MYH2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between MYH2 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
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 MYH2 elisa kit	Principle of the Assay: MYH2 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-MYH2 antibody and an MYH2-HRP conjugate. The assay sample and buffer are incubated together with MYH2-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 MYH2 concentration since MYH2 from samples and MYH2-HRP conjugate compete for the anti-MYH2 antibody binding site. Since the number of sites is limited, as more sites are occupied by MYH2 from the sample, fewer sites are left to bind MYH2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MYH2 concentration in each sample is interpolated from this standard curve. Intended Uses: This MYH2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat MYH2. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for MYH2 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	334188182
NCBI GeneID	834412
NCBI Accession #	NP_001190466.1
NCBI GenBank Nucleotide #	NM_001203537.1
Molecular Weight	169,931 Da
NCBI Official Full Name	myosin 2
NCBI Official Symbol	MYA2
NCBI Official Synonym Symbols	ARABIDOPSIS MYOSIN 2; ATMYA2; F6B6.4; F6B6_4; MYA2; myosin 2; MYOSIN X1 2; MYOSIN XI-6; XI-2; XI-6
NCBI Protein Information	myosin 2
UniProt Protein Name	Myosin-6
UniProt Gene Name	XI-2
UniProt Synonym Gene Names	MYA2; At5g43900; F6B6.4
UniProt Entry Name	MYO6_ARATH

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.