

Rat Myosin IC (MYO1C) ELISA Kit | MYO1C elisa kit

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CATALOG # AAA189806	REACTIVITY Rat
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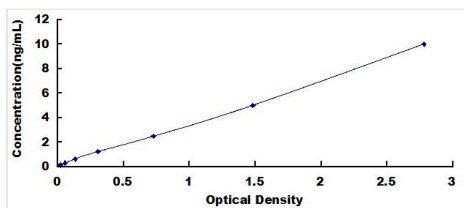
PRODUCT SYNONYMS

Myosin IC (MYO1C); Rat Myosin IC (MYO1C) ELISA Kit; MMI-beta; MMlb; NMI; myr2; MYO1C/Myosin IC; MYO1C elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of MYO1C. No significant cross-reactivity or interference between MYO1C and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Rat tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.055ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MYO1C were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level MYO1C were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf Life: 8 months The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MYO1C elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to MYO1C. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to MYO1C. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain MYO1C, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm $\pm$ 10nm. The concentration of MYO1C in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MYO1C in rat tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for MYO1C elisa kit	Metabolic pathway

NCBI AND UNIPROT INFORMATION

NCBI GI #	124107592
NCBI GeneID	65261
NCBI Accession #	NP_075580.2
NCBI GenBank Nucleotide #	NM_023092.1
UniProt Accession #	Q63355
Molecular Weight	119,811 Da
NCBI Official Full Name	unconventional myosin-Ic
NCBI Official Synonym Full Names	myosin IC
NCBI Official Symbol	Myo1c
NCBI Official Synonym Symbols	Myr2
NCBI Protein Information	unconventional myosin-Ic; MMIb; MMI-beta; myosin I beta; myosin IC-like; myosin heavy chain myr 2; unconventional myosin Myr2 I heavy chain
UniProt Protein Name	Unconventional myosin-Ic
UniProt Gene Name	Myo1c
UniProt Synonym Gene Names	Myr2; MMI-beta; MMIb
UniProt Entry Name	MYO1C_RAT

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/rat-elisa-kits/myosin-ic-myo1c/189806>