

Human Myosin-Ic (MYO1C) ELISA Kit | MYO1C elisa kit

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CATALOG #
AAA331586

REACTIVITY
Human

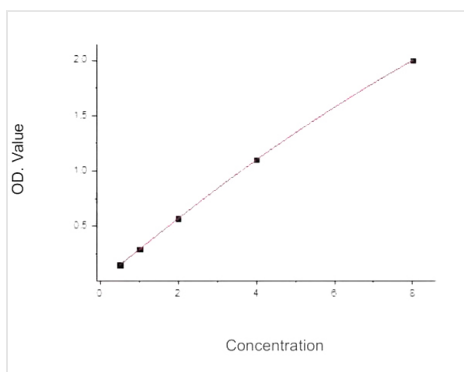
PRODUCT SYNONYMS

Myosin-Ic (MYO1C); Human Myosin-Ic (MYO1C) ELISA Kit; MYO1C; FLJ23903; MMI-beta; MM1b; NMI; myr2; myosin-I beta; nuclear myosin I; MYO1C elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Myosin-Ic (MYO1C) ELISA Kit has high sensitivity and excellent specificity for detection of Human MYO1C. No significant cross-reactivity or interference between Human MYO1C and analogues was observed.
Sequence Length	1063
Assay Type	Sandwich
Samples	Human serum, cell culture supernates and other biological fluids
Detection Range	0.5 ng/ml - 8 ng/ml
Sensitivity	< 0.05ng/ml
Intra-assay Precision	Four samples of known concentration were tested twenty times on one plate to assess intra-assay precision. The CV (%)?9%.
Inter-assay Precision	Three samples of known concentration were tested in twenty separate assays to assess inter-assay precision. Assays were performed by at least three technicians using two lots of components. The CV (%)?11%.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MYO1C elisa kit	Background: MYO1C encodes a member of the unconventional myosin protein family, which are actin-based molecular motors. Myosin-Ic is found in the cytoplasm, and one isoform with a unique N-terminus is also found in the nucleus. The nuclear isoform associates with RNA polymerase I and II and functions in transcription initiation. The mouse ortholog of Myosin-Ic also functions in intracellular vesicle transport to the plasma membrane. Multiple transcript variants encoding different isoforms have been found for MYO1C. The related gene myosin IE has been referred to as myosin IC in the literature, but it is a distinct locus on chromosome 19. Principle of the Assay: Human Myosin-Ic (MYO1C) ELISA Kit employs a two-site sandwich ELISA to quantitate MYO1C in samples. An antibody specific for MYO1C has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MYO1C present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Human MYO1C detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen solution is added to the wells and color develops in proportion to the amount of MYO1C bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	317373577
NCBI GeneID	4641
UniProt Accession #	O00159
NCBI Official Full Name	Unconventional myosin-Ic
NCBI Official Synonym Full Names	myosin IC
NCBI Official Symbol	MYO1C
NCBI Official Synonym Symbols	NMI; MMIb; myr2; MMI-beta
NCBI Protein Information	unconventional myosin-Ic
UniProt Protein Name	Unconventional myosin-Ic
UniProt Gene Name	MYO1C
UniProt Synonym Gene Names	MMI-beta; MMIb
UniProt Entry Name	MYO1C_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/myosin-ic-my01c/331586>