

Human Myosin X (MYO10) ELISA Kit | MYO10 elisa kit

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CATALOG #
AAA68433

REACTIVITY
Human

PRODUCT SYNONYMS

Myosin X (MYO10); Human Myosin X (MYO10) ELISA Kit; Unconventional Myosin-X; Unconventional Myosin-10; MYO10 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MYO10. No significant cross-reactivity or interference between MYO10 and analogues was observed.
Sequence Length	2058
Samples	Serum, plasma, tissue homogenates or other biological fluids
Assay Type	Quantitative Competitive
Detection Range	0.312-20ng/mL
Sensitivity	<0.114ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MYO10 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 MYO10 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MYO10 elisa kit	Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of MYO10 in human serum, plasma, tissue homogenates or other biological fluids. Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to MYO10 has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled MYO10 and unlabeled MYO10 (Standards or samples) with the pre-coated antibody specific to MYO10. After incubation the unbound conjugate is washed off. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of MYO10 in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of MYO10 in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	154354979
NCBI GeneID	4651
NCBI Accession #	NP_036466.2
NCBI GenBank Nucleotide #	NM_012334.2
UniProt Accession #	Q9HD67; O94893; Q8IVX5; Q9NYM7; Q9P110; Q9P111; Q9UHF6; A7E2D1
Molecular Weight	163,554 Da
NCBI Official Full Name	unconventional myosin-X
NCBI Official Synonym Full Names	myosin X
NCBI Official Symbol	MYO10
NCBI Protein Information	unconventional myosin-X
UniProt Protein Name	Unconventional myosin-X
UniProt Gene Name	MYO10
UniProt Synonym Gene Names	KIAA0799

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.