

Human Myosin VIIB (MYO7B) ELISA Kit | MYO7B elisa kit

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CATALOG #
AAA66638

REACTIVITY
Human

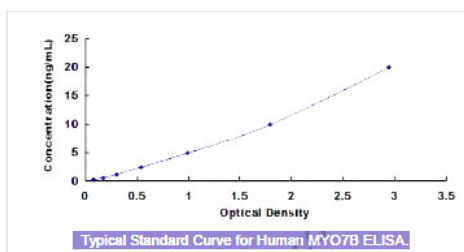
PRODUCT SYNONYMS

Myosin VIIB (MYO7B); Human Myosin VIIB (MYO7B) ELISA Kit; MYO7B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MYO7B. No significant cross-reactivity or interference between MYO7B and analogues was observed.
Sequence Length	2116
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.132ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MYO7B 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 MYO7B were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MYO7B elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MYO7B in human tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to MYO7B. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to MYO7B. 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 MYO7B, 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 +/- 10nm. The concentration of MYO7B in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	122937512
NCBI GeneID	4648
NCBI Accession #	NP_001073996.1
NCBI GenBank Nucleotide #	NM_001080527.1
UniProt Accession #	Q6PIF6; Q14786; Q8TEE1
Molecular Weight	221,893 Da
NCBI Official Full Name	unconventional myosin-VIIb
NCBI Official Synonym Full Names	myosin VIIb
NCBI Official Symbol	MYO7B
NCBI Protein Information	unconventional myosin-VIIb
UniProt Protein Name	Unconventional myosin-VIIb
UniProt Gene Name	MYO7B

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/human-elisa-kits/myosin-viib-myo7b/66638>