

Mouse Myosin VA (MYO5A) ELISA Kit | MYO5A elisa kit

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CATALOG #
AAA63765

REACTIVITY
Mouse

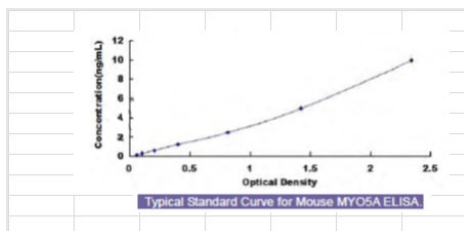
PRODUCT SYNONYMS

Myosin VA (MYO5A); Mouse Myosin VA (MYO5A) ELISA Kit; GS1; MYH12; MYO5; MYOXIN; MYR12; myosin V; myosin Va; Myosin; Heavy Polypeptide Kinase; Myosin Heavy Chain 12; Myoxin; Myosin V; Dilute myosin heavy chain; non-muscle; MYO5A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of MYO5A. No significant cross-reactivity or interference between MYO5A and analogues was observed.
Sequence Length	1853
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.045ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MYO5A 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 MYO5A 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 MYO5A elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MYO5A in mouse 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 MYO5A. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to MYO5A. 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 MYO5A, 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 MYO5A 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 #	115511052
NCBI GeneID	17918
NCBI Accession #	NP_034994.2
NCBI GenBank Nucleotide #	NM_010864.2
UniProt Accession #	Q99104; E9PUE5
Molecular Weight	215,538 Da
NCBI Official Full Name	unconventional myosin-Va
NCBI Official Synonym Full Names	myosin VA
NCBI Official Symbol	Myo5a
NCBI Official Synonym Symbols	d; Dbv; MVa; flr; Myo5; MyoVA; Sev-1; flail; d-120J; AI413174; AI661011; 9630007J19Rik
NCBI Protein Information	unconventional myosin-Va
UniProt Protein Name	Unconventional myosin-Va
UniProt Gene Name	Myo5a
UniProt Synonym Gene Names	Dilute

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/mouse-elisa-kits/myosin-vb-myo5a/63765>