

Mouse Myosin light chain 1/3, skeletal muscle isoform ELISA Kit | Myl1 elisa kit

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CATALOG #
AAA196106

REACTIVITY
Mouse

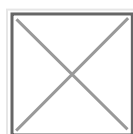
PRODUCT SYNONYMS

Myosin light chain 1/3; skeletal muscle isoform; Mouse Myosin light chain 1/3; skeletal muscle isoform ELISA Kit; MLC1/MLC3; MLC1F/MLC3F; Myosin light chain alkali 1/2; Myosin light chain A1/A2; Myl1; Mylf; Myl1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay recognizes recombinant and natural mouseMLC1/MLC3. No significant cross-reactivity or interference was observed.
Sequence Length	150
Assay Type	Sandwich
Detection Range	0.156-10 ng/mL
Sensitivity	0.081 ng/mL
Intra-Assay CV	<=6.9%
Inter-Assay CV	<=8.6%
Recovery	100%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Myl1 elisa kit

Intended Uses: This immunoassay kit allows for the in vitro quantitative determination ofmouseMLC1/MLC3concentrations in serum, Plasma,tissue homogenates and Cell culture supernates and Other biological fluids.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to MLC1/MLC3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific forMLC1/MLC3 and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain MLC1/MLC3, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm $\pm$ 2 nm. The concentration of MLC1/MLC3 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	164664497
NCBI GeneID	17901
NCBI Accession #	NP_001106858.1
NCBI GenBank Nucleotide #	NM_001113387.1
UniProt Accession #	P05977; P05978
Molecular Weight	16,600 Da
NCBI Official Full Name	myosin light chain 1/3, skeletal muscle isoform isoform 3f
NCBI Official Synonym Full Names	myosin, light polypeptide 1
NCBI Official Symbol	Myl1
NCBI Official Synonym Symbols	Mylf; MLC1f; MLC3f; AI325107
NCBI Protein Information	myosin light chain 1/3, skeletal muscle isoform
UniProt Protein Name	Myosin light chain 1/3, skeletal muscle isoform
UniProt Gene Name	Myl1
UniProt Synonym Gene Names	Mylf; MLC1/MLC3; MLC1F/MLC3F; Myosin light chain A1/A2
UniProt Entry Name	MYL1_MOUSE

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/myl1-mouse-elisa-kits/myosin-light-chain-1-3-skeletal-muscle-isoform/196106>