

Human Myosin Light Chain 1, Alkali, Fast Skeletal (MYL1) RTU ELISA Kit | MYL1 rtu elisa kit

Human Myosin Light Chain 1, Alkali, Fast Skeletal (MYL1) ELISA Kit

CATALOG # AAA217269	REACTIVITY Human
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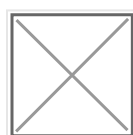
PRODUCT SYNONYMS

Myosin Light Chain 1; Alkali; Fast Skeletal (MYL1); Human Myosin Light Chain 1; Fast Skeletal (MYL1) ELISA Kit; MLC1; MLC1F; MLC3F; Myosin light chain 1/3; skeletal muscle isoform; Myosin light chain A1/A2; MYL1 rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MYL1. No significant cross-reactivity or interference between MYL1 and analogues was observed.
Sequence Length	194
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma, tissue homogenates or other biological fluids
Detection Range	125-8000pg/mL
Sensitivity	< 42.5pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MYL1 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 MYL1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MYL1 rtu elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to MYL1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to MYL1. 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 MYL1, 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 MYL1 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of MYL1 in human serum, plasma, tissue homogenates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	17986273
NCBI GeneID	4632
NCBI Accession #	NP_524144.1
NCBI GenBank Nucleotide #	NM_079420.2
UniProt Accession #	P05976; P06741; Q6IBD5; B2R4N6; B2R4T6
Molecular Weight	16,684 Da
NCBI Official Full Name	myosin light chain 1/3, skeletal muscle isoform isoform 1f
NCBI Official Synonym Full Names	myosin light chain 1
NCBI Official Symbol	MYL1
NCBI Official Synonym Symbols	MLC1F; MLC3F
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	MLC1/MLC3; MLC1F/MLC3F; Myosin light chain A1/A2

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-rtu-elisa-kits/myosin-light-chain-1-alkali-fast-skeletal-myl1/217269>