

Mouse Myosin light chain 3 ELISA Kit | MYL3 elisa kit

Mouse Myosin light chain 3 (MYL3) ELISA Kit

CATALOG # AAA55915	REACTIVITY Mouse
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PRODUCT SYNONYMS

Myosin light chain 3; Mouse Myosin light chain 3 (MYL3) ELISA Kit; CMH8; MLC1SB; MLC1V; VLC1; OTTHUMP00000165922|myosin; light polypeptide 3; alkali; ventricular; skeletal; slow|slow skeletal ventricular myosin alkali light chain 3; MYL3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Mouse MYL3. No significant cross-reactivity or interference between Mouse MYL3 and analogues was observed.
Sequence Length	195
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	6.25 pg/mL - 400 pg/mL
Sensitivity	3.1 pg/mL (mean of 6 independent assays)
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for MYL3 elisa kit	Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate MYL3 in Mouse serum, plasma. An antibody specific for MYL3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MYL3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin- conjugated antibody specific for MYL3 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of MYL3 bound in the initial step. The color development is stopped and the intensity of the color is measured. Intended Uses: For the quantitative detection of Mouse Myosin light chain 3 (MYL3) concentration in serum, plasma and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	33563264
NCBI GeneID	17897
NCBI Accession #	NP_034989.1
NCBI GenBank Nucleotide #	NM_010859.2

UniProt Accession #	P09542 ; Q3UIF4 ; Q9CQZ2
Molecular Weight	22,422 Da
NCBI Official Full Name	myosin light chain 3
NCBI Official Synonym Full Names	myosin, light polypeptide 3
NCBI Official Symbol	Myl3
NCBI Official Synonym Symbols	Mylc; VLC1; MLC1s; MLC1v
NCBI Protein Information	myosin light chain 3
UniProt Protein Name	Myosin light chain 3
UniProt Gene Name	Myl3
UniProt Synonym Gene Names	MLC1SB

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://www.aaabiotech.com/myl3-mouse-elisa-kits/myosin-light-chain-3/55915>