

## Human Myosin light chain 1/3 ELISA Kit | MYL1 elisa kit

Human Myosin light chain 1/3, skeletal muscle isoform ELISA Kit

CATALOG #  
**AAA195793**

REACTIVITY  
**Human**

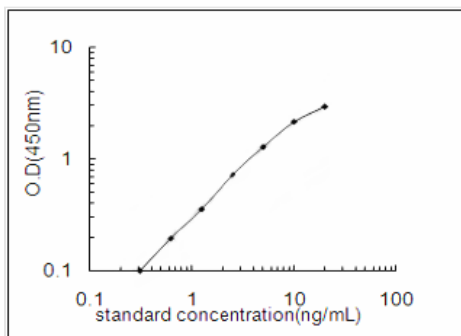
### PRODUCT SYNONYMS

Myosin light chain 1/3; Human Myosin light chain 1/3; skeletal muscle isoform ELISA Kit; skeletal muscle isoform; MLC1/MLC3; MLC1F/MLC3F; Myosin light chain alkali 1/2; Myosin light chain A1/A2; MYL1; MYL1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                        |
| Specificity             | This assay recognizes recombinant and natural human MLC1/MLC3. No significant cross-reactivity or interference was observed. |
| Sequence Length         | 194                                                                                                                          |
| Samples                 | Serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids.                                   |
| Detection Range         | 0.31 ng/mL -20.0 ng/mL.                                                                                                      |
| 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 of human MLC1/MLC3 concentrations 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 for MLC1/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 +/- 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 #                        | 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                | <b>MYL1</b>                                                |
| UniProt Synonym Gene Names       | MLC1/MLC3; MLC1F/MLC3F; Myosin light chain A1/A2           |
| UniProt Entry Name               | MYL1_HUMAN                                                 |

**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-human-elisa-kits/myosin-light-chain-1-3/195793>