

## Human Myosin Regulatory Light Chain 10 (MYL10) ELISA Kit | MYL10 elisa kit

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CATALOG #  
**AAA331608**

REACTIVITY  
**Human**

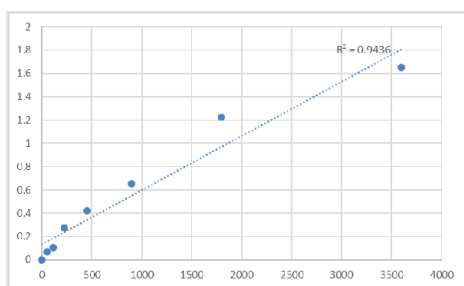
### PRODUCT SYNONYMS

Myosin Regulatory Light Chain 10 (MYL10); Human Myosin Regulatory Light Chain 10 (MYL10) ELISA Kit; MYL10; MYLC2PL; PLRLC; myosin light chain 2; precursor lymphocyte-specific; MYL10 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity             | Human Myosin regulatory light chain 10 (MYL10) ELISA Kit has high sensitivity and excellent specificity for detection of Human MYL10. No significant cross-reactivity or interference between Human MYL10 and analogues was observed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Sequence Length         | 226                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Assay Type              | Sandwich ELISA (Quantitative)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Samples                 | Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Detection Method        | Colorimetric                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Usage Notes             | <ul style="list-style-type: none"> <li>* Do not mix components from different kit lots or use reagents beyond the kit expiration date.</li> <li>* Allow all reagents to warm to room temperature for at least 30 minutes before opening.</li> <li>* Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination.</li> <li>* Unused wells must be kept desiccated at 4 degree C in the sealed bag provided.</li> <li>* Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes.</li> <li>* It is recommended that all samples and standards be assayed in duplicate or triplicate.</li> </ul> |
| Preparation and Storage | Store at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

### IMAGES



**Standard Curve (Sample)**

Fig.1. Human Myosin regulatory light chain 10 (MYL10) Standard Curve.

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for MYL10 elisa kit | <p>Description: This Human Myosin regulatory light chain 10 (MYL10) ELISA Kit employs a two-site sandwich ELISA to quantitate MYL10 in samples. An antibody specific for MYL10 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MYL10 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MYL10 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 MYL10 bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> <p>Background: MYL10 (Myosin Light Chain 10) is a Protein Coding gene. Among its related pathways are Tight junction and Smooth Muscle Contraction. GO annotations related to this gene include calcium ion binding. An important paralog of this gene is MYL2.</p> |
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NCBI AND UNIPROT INFORMATION

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|----------------------------------|----------------------------------|
| NCBI GI #                        | 34147532                         |
| NCBI GeneID                      | 93408                            |
| NCBI Accession #                 | NP_612412.2                      |
| NCBI GenBank Nucleotide #        | NP_612412.2                      |
| UniProt Accession #              | Q9BUA6                           |
| NCBI Official Full Name          | myosin regulatory light chain 10 |
| NCBI Official Synonym Full Names | myosin light chain 10            |
| NCBI Official Symbol             | MYL10                            |
| NCBI Official Synonym Symbols    | PLRLC; MYLC2PL                   |
| NCBI Protein Information         | myosin regulatory light chain 10 |
| UniProt Protein Name             | Myosin regulatory light chain 10 |
| UniProt Gene Name                | MYL10                            |
| UniProt Synonym Gene Names       | MYLC2PL; PLRLC                   |
| UniProt Entry Name               | MYL10_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/human-elisa-kits/myosin-regulatory-light-chain-10-myl10/331608>