# Mouse Myosin Light Chain Kinase (MYLK) RTU ELISA Kit | MYLK rtu elisa kit

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| CATALOG # | REACTIVITY |
|---|---|
| **AAA219695** | **Mouse** |

## PRODUCT SYNONYMS

Myosin Light Chain Kinase (MYLK); Mouse Myosin Light Chain Kinase (MYLK) RTU ELISA Kit; KRP; MLCK108; MLCK210; MSTP083; MLCK; smMLCK; MYLK1; MLCK1; Telokin; Myosin Light Chain Kinase; Smooth Muscle; deglutamylated form; Kinase-related protein; MYLK rtu elisa kit

## PRODUCT SPECIFICATIONS

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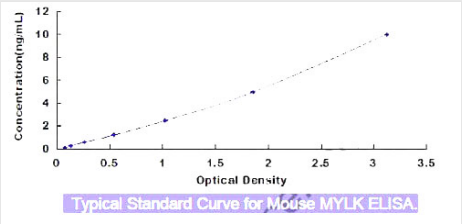
| **Reactivity** | Mouse |
| **Specificity** | This assay has high sensitivity and excellent specificity for detection of MYLK. No significant cross-reactivity or interference between MYLK and analogues was observed. |
| **Purity/Purification** | Affinity Purification |
| **Sequence Length** | 214 |
| **Samples** | Mouse Tissue Homogenates, Cell Lysates Or Other Biological Fluids |
| **Assay Type** | Quantitative Sandwich |
| **Detection Range** | 0.156-10ng/mL |
| **Sensitivity** | 0.063ng/mL. |
| **Intra-assay Precision** | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MYLK 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 MYLK were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12% |
| **Preparation and Storage** | Store at 4 degree C. |

## IMAGES




**Standard Curve (Sample)**

## ADDITIONAL INFORMATION

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| **Related Product Information for MYLK rtu elisa kit** | Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of MYLK in mouse tissue homogenates, cell lysates or other biological fluids.<br><br>Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to MYLK. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to MYLK. 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 MYLK, 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 MYLK in the samples is then determined by comparing the O.D. of the samples to the standard curve. |

## NCBI AND UNIPROT INFORMATION

| | |
|---|---|
| **NCBI GI #** | 6681267 |
| **NCBI GeneID** | 13616 |
| **NCBI Accession #** | NP_031929.1 |
| **NCBI GenBank Nucleotide #** | NM_007903.5 |
| **UniProt Accession #** | P48299; Q543L0 |
| **Molecular Weight** | 23,322 Da |
| **NCBI Official Full Name** | endothelin-3 preproprotein |
| **NCBI Official Synonym Full Names** | endothelin 3 |
| **NCBI Official Symbol** | Edn3 |
| **NCBI Official Synonym Symbols** | ls; ET-3; PPET3; tmgc48 |
| **NCBI Protein Information** | endothelin-3 |
| **UniProt Protein Name** | Endothelin-3 |
| **UniProt Gene Name** | **Edn3** |
| **UniProt Synonym Gene Names** | ET-3; PPET3 |

**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/mouse-rtu-elisa-kits/myosin-light-chain-kinase-mylk/219695