

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

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CATALOG #
AAA219680

REACTIVITY
Mouse

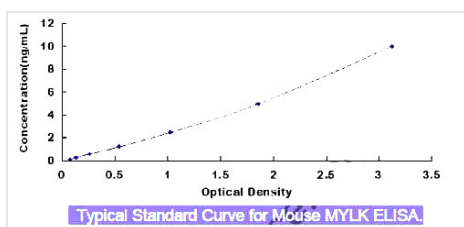
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of MVP. No significant cross-reactivity or interference between MVP and analogues was observed.
Purity/Purification	Affinity Purification
Sequence Length	1941
Samples	Human Serum, Plasma, Tissue Homogenates Or Other Biological Fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.071ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MVP 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 MVP 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 or -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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

NCBI GI #	94717658
NCBI GeneID	107589
UniProt Accession #	Q6PDN3; Q3TSJ7; Q80UX0; Q80YN7; Q80YN8; Q8K026; Q924D2; Q9ERD3
Molecular Weight	77,433 Da
NCBI Official Full Name	Myosin light chain kinase, smooth muscle
NCBI Official Synonym Full Names	myosin, light polypeptide kinase
NCBI Official Symbol	Mylk
NCBI Official Synonym Symbols	KRP; Mlck; nmMlck; smMLCK; MLCK108; MLCK210; AW489456; 9530072E15Rik; A930019C19Rik
NCBI Protein Information	myosin light chain kinase, smooth muscle
UniProt Protein Name	Myosin light chain kinase, smooth muscle
UniProt Gene Name	Mylk
UniProt Synonym Gene Names	MLCK; smMLCK; KRP

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.