

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

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CATALOG #
AAA135629

REACTIVITY
Rat

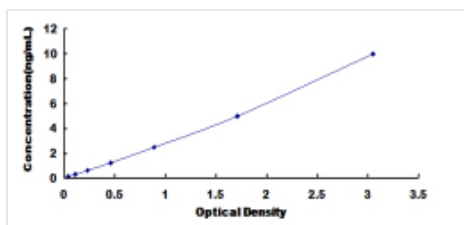
PRODUCT SYNONYMS

Myosin Light Chain Kinase (MYLK); Rat 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	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Myosin Light Chain Kinase (MYLK). No significant cross-reactivity or interference between Myosin Light Chain Kinase (MYLK) and analogues was observed.
Sequence Length	1914
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.059ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Myosin Light Chain Kinase (MYLK) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Myosin Light Chain Kinase (MYLK) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MYLK elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Myosin Light Chain Kinase (MYLK). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Myosin Light Chain Kinase (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 Myosin Light Chain Kinase (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 Myosin Light Chain Kinase (MYLK) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for MYLK elisa kit	Enzyme & Kinase; Cardiovascular biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	7239696
NCBI GeneID	4638
UniProt Accession #	Q15746; O95796; O95797; O95798; O95799; Q14844; Q16794; Q17S15; Q3ZCP9; Q5MY99; B4DUE3; D3DN97
Molecular Weight	110,076 Da
NCBI Official Full Name	myosin light chain kinase
NCBI Official Synonym Full Names	myosin light chain kinase
NCBI Official Symbol	MYLK
NCBI Official Synonym Symbols	KRP; AAT7; MLCK; MLCK1; MYLK1; smMLCK; MLCK108; MLCK210; MSTP083
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; MLCK1; MYLK1; MLCK; smMLCK; KRP
UniProt Entry Name	MYLK_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.