

Rat Mixed Lineage Kinase Domain Like Protein (MLKL) ELISA Kit | MLKL elisa kit

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CATALOG #
AAA187984

REACTIVITY
Rat

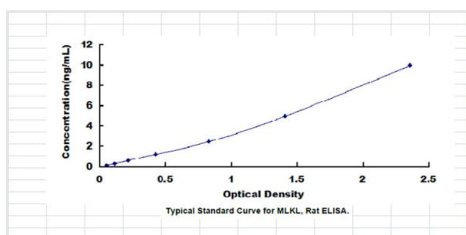
PRODUCT SYNONYMS

Mixed Lineage Kinase Domain Like Protein (MLKL); Rat Mixed Lineage Kinase Domain Like Protein (MLKL) ELISA Kit; MLKL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of MLKL. No significant cross-reactivity or interference between MLKL and analogues was observed.
Sequence Length	471
Samples	Rat tissue homogenates, cell lysates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	< 0.057ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MLKL 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 MLKL were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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 MLKL elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MLKL in rat tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to MLKL. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to MLKL. 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 MLKL, 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 MLKL 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 #	22749323
NCBI GeneID	197259
NCBI Accession #	NP_689862.1
NCBI GenBank Nucleotide #	NM_152649.3
UniProt Accession #	Q8NB16; Q8N6V0; A6NCE4
Molecular Weight	30,279 Da
NCBI Official Full Name	mixed lineage kinase domain-like protein isoform 1
NCBI Official Synonym Full Names	mixed lineage kinase domain like pseudokinase
NCBI Official Symbol	MLKL
NCBI Official Synonym Symbols	hMLKL
NCBI Protein Information	mixed lineage kinase domain-like protein
UniProt Protein Name	Mixed lineage kinase domain-like protein
UniProt Gene Name	MLKL
UniProt Synonym Gene Names	hMLKL

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/rat-elisa-kits/mixed-lineage-kinase-domain-like-protein-mlkl/187984>