

Rat Midkine (MK) ELISA Kit | MK elisa kit

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CATALOG #
AAA139533

REACTIVITY
Rat

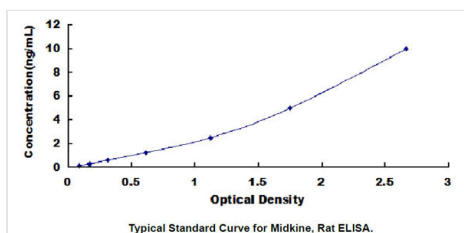
PRODUCT SYNONYMS

Midkine (MK); Rat Midkine (MK) ELISA Kit; MDK; ARAP; NEGF2; Neurite Growth-Promoting Factor 2; Amphiregulin-associated protein; Midgestation and kidney protein; Neurite outgrowth-promoting factor 2; MK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of midkine. No significant cross-reactivity or interference between midkine and analogues was observed.
Sequence Length	87
Assay Type	Quantitative Sandwich
Samples	Rat tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.055ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level midkine 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 midkine 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 MK elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to midkine. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to midkine. 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 midkine, 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 midkine in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of midkine in rat tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for MK elisa kit	Signal transduction; Tumor immunity; Developmental science

NCBI AND UNIPROT INFORMATION

NCBI GI #	396080281
NCBI GeneID	4192
NCBI Accession #	NP_001257480.1
NCBI GenBank Nucleotide #	NM_001270551.1
UniProt Accession #	P21741; Q2LEK4; Q9UCC7
Molecular Weight	9,512 Da
NCBI Official Full Name	midkine isoform a
NCBI Official Synonym Full Names	midkine (neurite growth-promoting factor 2)
NCBI Official Symbol	MDK
NCBI Official Synonym Symbols	MK; ARAP; NEGF2
NCBI Protein Information	midkine
UniProt Protein Name	Midkine
UniProt Gene Name	MDK
UniProt Synonym Gene Names	MK1; NEGF2; MK; ARAP
UniProt Entry Name	MK_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.