

Mouse Midkine ELISA Kit | MDK elisa kit

Mouse Midkine PicoKine ELISA Kit

CATALOG #
AAA125228

REACTIVITY
Mouse

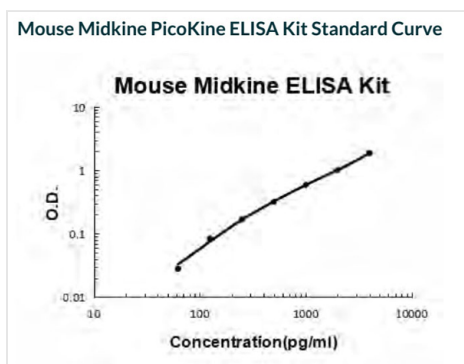
PRODUCT SYNONYMS

Midkine; Mouse Midkine PicoKine ELISA Kit; Mouse Midkine; MK; Retinoic acid-induced differentiation factor; Mdk; Mk; MDK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse Mdk
Sequence Length	140
Samples	Cell culture supernatants, serum and plasma (heparin, EDTA, citrate)
Detection Range	62.5 pg/ml - 4,000 pg/ml
Sensitivity	<10 pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MDK elisa kit	Background: Midkine (MK) is a member of a family of neurotrophic and developmentally-regulated heparin-binding molecules that currently consists of midkine, pleiotrophin/PTN and avian RI-HB. This gene is mapped to 2 E1; 2 50.63 cM. This gene encodes a secreted growth factor that belongs to the pleiotrophin/midkine heparin-binding protein family and functions in a variety of biological processes. The encoded cytokine promotes the growth, differentiation, survival and migration of several target cells including leucocytes involved in inflammation. This protein plays a role in the formation of scar tissue and intraperitoneal adhesions, and promotes neurite outgrowth and neuron survival. The protein encoded by this gene is associated with obesity and inhibition of insulin signaling in fat cells. A pseudogene of this gene is present on chromosome 11. Alternative splicing results in multiple transcript variants. Principle of the Assay: The Picokine™ Mouse Mdk Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Mouse Mdk with a 96-well strip plate that is pre-coated with antibody specific for Mdk. The detection antibody is a biotinylated antibody specific for Mdk. The capture antibody is a monoclonal antibody from rat and the detection antibody is a biotinylated polyclonal antibody from goat. The kit includes Mouse Mdk protein as standards. To measure Mouse Mdk, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Mouse Mdk in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse Mdk in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	59894790
NCBI GeneID	17242
NCBI Accession #	NP_001012335.1
NCBI GenBank Nucleotide #	NP_001012335.1
UniProt Accession #	P12025
NCBI Official Full Name	midkine isoform a
NCBI Official Synonym Full Names	midkine
NCBI Official Symbol	Mdk
NCBI Official Synonym Symbols	MK; Mek
NCBI Protein Information	midkine
UniProt Protein Name	Midkine
UniProt Gene Name	Mdk
UniProt Synonym Gene Names	Mk; MK
UniProt Entry Name	MK_MOUSE

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.