

Canine Midkine ELISA Kit | MK elisa kit

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CATALOG #
AAA89212

REACTIVITY
Canine

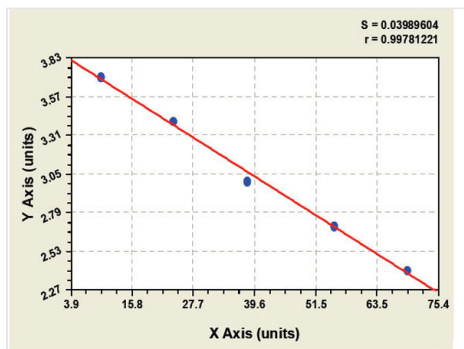
PRODUCT SYNONYMS

Midkine; Canine Midkine ELISA Kit; MK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	250-5000pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MK elisa kit

Intended Uses: This MK ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine MK. This ELISA kit for research use only!

Principle of the Assay: MK ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-MK antibody and an MK-HRP conjugate. The assay sample and buffer are incubated together with MK-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the MK concentration since MK from samples and MK-HRP conjugate compete for the anti-MK antibody binding site. Since the number of sites is limited, as more sites are occupied by MK from the sample, fewer sites are left to bind MK-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MK concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	59894796
NCBI GeneID	4192
NCBI Accession #	NP_001012333.1
NCBI GenBank Nucleotide #	NM_001012333.2
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; retinoic acid inducible factor; amphiregulin-associated protein; midgestation and kidney protein; neurite outgrowth-promoting factor 2
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.