

## Datasheet for ABIN6719771

### Midkine ELISA Kit

[Go to Product page](#)

#### Overview

Quantity:	1 kit
Target:	Midkine (MDK)
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	78 pg/mL - 5000 pg/mL
Minimum Detection Limit:	78 pg/mL
Application:	ELISA

#### Product Details

Purpose:	Human Midkine Sandwich ELISA Kit for Quantitative Detection
Brand:	AccuSignal™
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Production: Natural and recombinant human Midkine. There is no detectable cross-reactivity with other relevant proteins.
Sensitivity:	< 10 pg/mL
Components:	<ul style="list-style-type: none"><li>• Antibody-coated 96-well plate</li><li>• Target Protein Standard</li><li>• Detection antibody</li></ul>

## Product Details

- Detection reagent
- Diluent buffers
- Wash buffers
- Substrate Solution
- Stop solutions
- Adhesive covers

## Target Details

Target:	Midkine (MDK)
Alternative Name:	Midkine ( <a href="#">MDK Products</a> )
Background:	<p>Synonyms: Amphiregulin-associated protein, ARAP, Mdk, Midgestation and kidney protein, Midkine, MK, MK_HUMAN, Neurite outgrowth-promoting factor 2, Neurite outgrowth-promoting protein</p> <p>Background: Midkine(MK or MDK) also known as neurite growth-promoting factor 2(NEGF2) is a protein that in humans is encoded by the MDK gene. Midkine is a basic heparin-binding growth factor of low molecular weight, and forms a family with pleiotrophin(NEGF1, 46 % homologous with MK). It is a nonglycosylated protein, composed of two domains held by disulfide bridges. It is a developmentally important retinoic acid-responsive gene product strongly induced during mid-gestation, hence the name midkine. Restricted mainly to certain tissues in the normal adult, it is strongly induced during oncogenesis, inflammation and tissue repair. MK is pleiotropic, capable of exerting activities such as cell proliferation, cell migration, angiogenesis and fibrinolysis. A molecular complex containing receptor-type tyrosine phosphatase zeta(PTP<math>\zeta</math>), low density lipoprotein receptor-related protein(LRP1), anaplastic leukemia kinase(ALK) and syndecans is considered to be its receptor.</p>
Gene ID:	4192
NCBI Accession:	<a href="#">NP_001012333</a>
UniProt:	<a href="#">P21741</a>
Pathways:	<a href="#">RTK Signaling</a> , <a href="#">M Phase</a> , <a href="#">Skeletal Muscle Fiber Development</a>

## Application Details

Application Notes:	ELISA_Dilution: 78pg/mL-5000pg/mL
	Application_Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 313pg/mL, 156pg/mL,

Application Details

	78pg/mL human Midkine standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each human Midkine standard solution and each sample be measured in duplicate.
Comment:	Standard: Expression system for standard: E.coli, Immunogen sequence: K23-D143
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	4 °C,-20 °C
Storage Comment:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.
Expiry Date:	12 months