

Human MK Antibody Pair Set

Catalog No.	E-KAB-0532	Applications	ELISA
Synonyms	Midkine;MK;MDK;neurite growth-promoting factor 2;NEGF2;ARAP		

Kit components & Storage

Title	Specifications	Storage
Human MK Capture Antibody	1 vial, 100 μg	Store at -20°C for one year. Avoid freeze/thaw cycles.
Human MK Detection Antibody (Biotin)	1 vial, 50 μL	Store at -20°C for one year. Avoid freeze/thaw cycles.

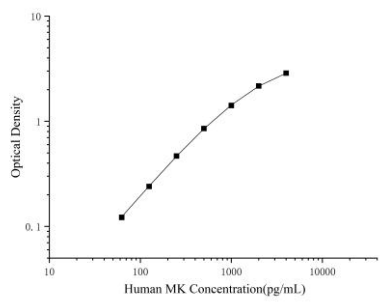
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0532)	
		Human MK Capture Antibody	Human MK Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human MK protien	Recombinant Human MK protien
	Swissprot	P21741	
Product details	Reactivity	Human	Human
	Host	Goat	Goat
	Conjugation	Unconjugated	Biotin
	Concentration	0.5 mg/mL	/
	Buffer	PBS with 0.04% Proclin 300; 50% glycerol; pH 7.5	PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.5
	Purify	Antigen Affinity	Antigen Affinity
	Specificity	Detects Human MK in ELISAs.	

Applications

Human MK Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																
ELISA Capture	0.5-4 µg/mL	Human MK Capture Antibody	 <p>The graph is a log-log plot. The x-axis is labeled 'Human MK Concentration(pg/mL)' and ranges from 10 to 10000. The y-axis is labeled 'Optical Density' and ranges from 0.1 to 10. The data points form a smooth, upward-sloping curve, indicating a positive correlation between concentration and optical density.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Human MK Concentration (pg/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>100</td> <td>0.15</td> </tr> <tr> <td>200</td> <td>0.25</td> </tr> <tr> <td>500</td> <td>0.5</td> </tr> <tr> <td>1000</td> <td>0.8</td> </tr> <tr> <td>2000</td> <td>1.2</td> </tr> <tr> <td>5000</td> <td>2.0</td> </tr> <tr> <td>10000</td> <td>3.0</td> </tr> </tbody> </table>	Human MK Concentration (pg/mL)	Optical Density	100	0.15	200	0.25	500	0.5	1000	0.8	2000	1.2	5000	2.0	10000	3.0
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ELISA Detection	1:1000-1:10000	Human MK Detection Antibody (Biotin)																	

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

This gene encodes a member of a small family of secreted growth factors that binds heparin and responds to retinoic acid. The encoded protein promotes cell growth, migration, and angiogenesis, in particular during tumorigenesis. This gene has been targeted as a therapeutic for a variety of different disorders. Alternatively spliced transcript variants encoding multiple isoforms have been observed.