



Human Midkine, MK ELISA Kit

Product Code	CSB-E08892h
Abbreviation	MDK
Protein Biological Process 1	Developmental Protein
Target Name	midkine (neurite growth-promoting factor 2)
Uniprot No.	P21741
Alias	FLJ27379, MK, NEGF2, OTTHUMP00000197041 OTTHUMP00000197042 OTTHUMP00000197045 mid kine
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Differentiation
Sample Types	serum, plasma, tissue homogenates
Detection Range	31.25 pg/mL-2000 pg/mL
Sensitivity	7.8 pg/mL
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Neuroscience
Gene Names	MDK
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human MDK ELISA Kit was designed for the quantitative measurement of Human MDK protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 31.25 pg/mL-2000 pg/mL and the sensitivity is 7.8 pg/mL.
Product Precision	Intra-assay Precision (Precision within an assay): CV%<8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV%<10%



Three samples of known concentration were tested in twenty assays to assess.

Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of human MK in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

	Sample	Serum(n=4)
1:1	Average %	94
	Range %	86-97
1:2	Average %	104
	Range %	99-107
1:4	Average %	95
	Range %	88-98
1:8	Average %	98
	Range %	93-103

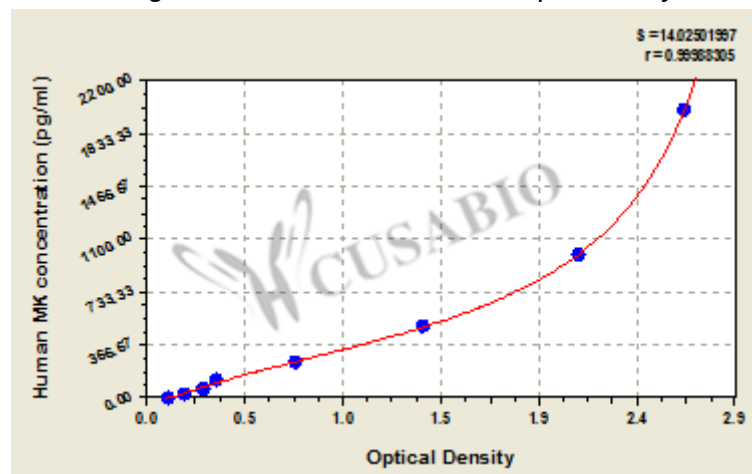
Recovery

The recovery of human MK spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample Type	Average % Recovery	Range
Serum (n=5)	94	89-97
EDTA plasma (n=4)	110	100-113

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



pg/ml	OD1	OD2	Average	Corrected
2000	2.686	2.612	2.649	2.532
1000	2.177	2.089	2.133	2.016
500	1.360	1.374	1.367	1.250
250	0.751	0.733	0.742	0.625
125	0.359	0.345	0.352	0.235
62.5	0.296	0.287	0.292	0.175
31.25	0.201	0.191	0.196	0.079
0	0.116	0.118	0.117	

Msds

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