Human Macrophage Migration Inhibitory Factor,MIF ELISA Kit

Product Code	CSB-E08330h
Abbreviation	MIF
Protein Biological Process 1	Immunity
Target Name	macrophage migration inhibitory factor (glycosylation-inhibiting factor)
Uniprot No.	P14174
Alias	GIF, GLIF, MMIF, macrophage migration inhibitory factor|phenylpyruvate tautomerase
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Immunity
Sample Types	serum, plasma, tissue homogenates
Detection Range	125 pg/mL-8000 pg/mL
Sensitivity	31.25 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	Immunology
Gene Names	MIF
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human MIF ELISA Kit was designed for the quantitative measurement of Human MIF protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 125 pg/mL-8000 pg/mL and the sensitivity is 31.25 pg/mL .
Target Details	This gene encodes a lymphokine involved in cell-mediated immunity, immunoregulation, and inflammation. It plays a role in the regulation of macrophage function in host defense through the suppression of anti-inflammatory effects of glucocorticoids. This lymphokine and the JAB1 protein

form a complex in the cytosol near the peripheral plasma membrane, which may indicate an additional role in integrin signaling pathways.

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 MIF 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)
1:5	Average %	85
	Range %	80-90
1:10	Average %	92
	Range %	87-96
1:20	Average %	85
	Range %	82-92
1:40	Average %	96
	Range %	90-102

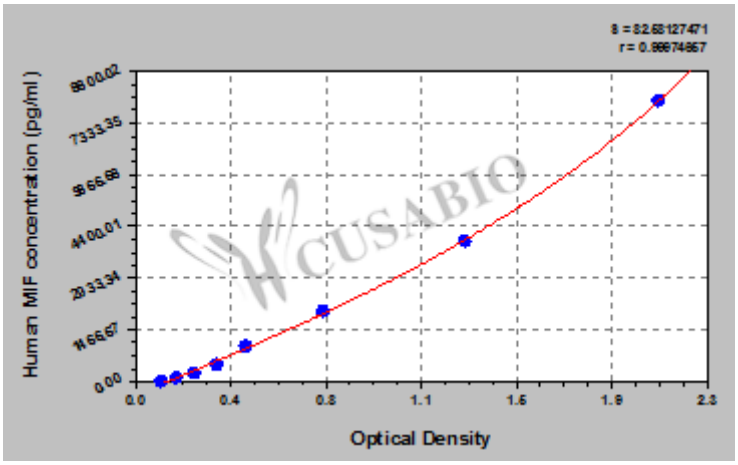
Recovery

The recovery of human MIF 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)	98	90-105
EDTA plasma (n=4)	96	87-103

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
8000	2.126	2.052	2.089	1.977
4000	1.359	1.276	1.318	1.206
2000	0.784	0.734	0.759	0.647
1000	0.459	0.439	0.449	0.337
500	0.348	0.324	0.336	0.224
250	0.256	0.238	0.247	0.135
125	0.181	0.171	0.176	0.064
0	0.115	0.109	0.112	?

Msds

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