Human Melanotransferrin(MFI2) ELISA kit

Product Code	CSB-EL013754HU
Protein Biological Process 2	Anion transport
Abbreviation	MFI2
Protein Biological Process 1	Transport
Target Name	antigen p97 (melanoma associated) identified by monoclonal antibodies 133.2 and 96.5
Uniprot No.	P08582
Alias	CD228, FLJ38863, MAP97, MGC4856, MTF1, melanoma-associated antigen p97|melanoma-associated antigen p97, isoform 2|melanotransferrin|membrane-bound transferrin-like protein
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Ion transport
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	0.156 ng/mL-10 ng/mL
Sensitivity	0.039 ng/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	Signal Transduction
Gene Names	MELTF
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human MFI2 ELISA Kit was designed for the quantitative measurement of Human MFI2 protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 0.156 ng/mL-10 ng/mL and the sensitivity is 0.039 ng/mL.
Target Details	This protein is a cell-surface glycoprotein found on melanoma cells. The protein shares sequence similarity and iron-binding properties with members of the

transferrin superfamily. The importance of the iron binding function has not yet been identified. This gene resides in the same region of chromosome 3 as members of the transferrin superfamily. Alternative splicing results in two transcript variants.

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 MFI2 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 %	97
	Range %	92-101
1:2	Average %	103
	Range %	99-108
1:4	Average %	90
	Range %	85-94
1:8	Average %	92
	Range %	88-96

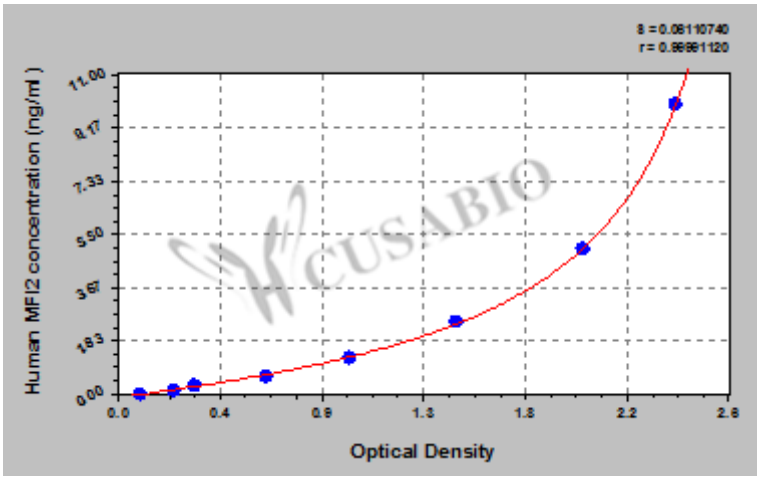
Recovery

The recovery of human MFI2 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)	89	84-93
EDTA plasma (n=4)	95	90-100

Typical

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



ng/ml	OD1	OD2	Average	Corrected
10	2.486	2.315	2.401	2.296
5	2.034	1.974	2.004	1.899
2.5	1.506	1.414	1.460	1.355
1.25	1.027	0.981	1.004	0.899
0.625	0.631	0.663	0.647	0.542
0.312	0.348	0.325	0.337	0.232
0.156	0.241	0.257	0.249	0.144
0	0.107	0.103	0.105	

Msds

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