Human MHC class I polypeptide-related sequence B(MICB) ELISA kit

Product Code	CSB-EL013813HU
Abbreviation	MICB
Protein Biological Process 1	Immunity
Target Name	MHC class I polypeptide-related sequence B
Uniprot No.	Q29980
Alias	DAAP-210H10.1, PERB11.2, MHC class I chain-related protein B|MHC class I mic-B antigen|MHC class I molecule|MHC class I-like molecule PERB11.2-IMX|stress inducible class I homolog
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Adaptive immunity
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	Immunology
Gene Names	MICB
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human MICB ELISA Kit was designed for the quantitative measurement of Human MICB 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.
Target Details	This gene encodes a heavily glycosylated protein which is a ligand for the NKG2D type II receptor. Binding of the ligand activates the cytolytic response of natural killer (NK) cells, CD8 alphabeta T cells, and gammadelta T cells which

express the receptor. This protein is stress-induced and is similar to MHC class I molecules; however, it does not associate with beta-2-microglobulin or bind peptides.

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 MICB 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 %	89
	Range %	82-95
1:2	Average %	99
	Range %	93-104
1:4	Average %	95
	Range %	89-99
1:8	Average %	94
	Range %	88-98

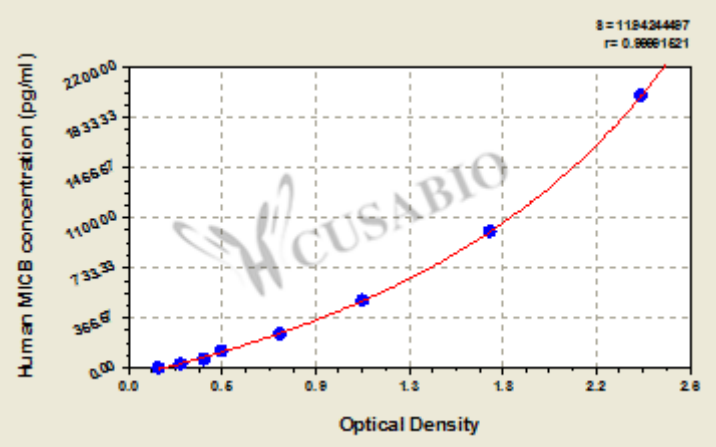
Recovery

The recovery of human MICB 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)	97	94-101
EDTA plasma (n=4)	86	82-92

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	2.364	2.477	2.421	2.267
1000	1.767	1.654	1.711	1.557
500	1.081	1.136	1.109	0.955
250	0.713	0.724	0.719	0.565
125	0.442	0.455	0.449	0.295
62.5	0.371	0.367	0.369	0.215
31.25	0.252	0.259	0.256	0.102
0	0.153	0.154	0.154	?

Msds

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