



Human Interleukin 19(IL-19)ELISA Kit

Product Code	CSB-E17323h
Abbreviation	IL19
Protein Biological Process 1	Apoptosis/Autophagy
Target Name	interleukin 19
Uniprot No.	Q9UHD0
Alias	IL-10C, MDA1, NG.1, ZMDA1, melanoma differentiation associated protein-like protein
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Apoptosis
Sample Types	serum, plasma, cell culture supernates, tissue homogenates
Detection Range	15.6 pg/mL-1000 pg/mL
Sensitivity	3.9 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	IL19
Tag Info	quantitative
Protein Description	Sandwich

Description

This Human IL19 ELISA Kit was designed for the quantitative measurement of Human IL19 protein in serum, plasma, cell culture supernates, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 15.6 pg/mL-1000 pg/mL and the sensitivity is 3.9 pg/mL.

Target Details

This protein is a cytokine that belongs to the IL10 cytokine subfamily. This cytokine is found to be preferentially expressed in monocytes. It can bind the IL20 receptor complex and lead to the activation of the signal transducer and activator of transcription 3 (STAT3). A similar cytokine in mouse is reported to up-regulate the expression of IL6 and TNF-alpha and induce apoptosis, which suggests a role of this cytokine in inflammatory responses. Alternatively spliced



transcript variants encoding the distinct isoforms have been described.

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 IL-19 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 %	84-93
1:2	Average %	104
	Range %	100-110
1:4	Average %	96
	Range %	92-100
1:8	Average %	90
	Range %	85-95

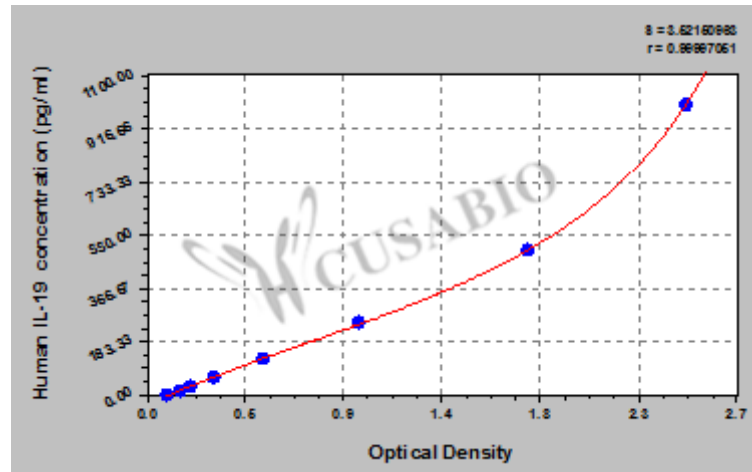
Recovery

The recovery of human IL-19 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)	85	80-89
EDTA plasma (n=4)	94	90-98

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
1000	2.572	2.436	2.504	2.398
500	1.831	1.725	1.778	1.672
250	0.985	1.003	0.994	0.888
125	0.549	0.557	0.553	0.447
62.5	0.327	0.312	0.320	0.214
31.25	0.216	0.204	0.210	0.104
15.6	0.160	0.168	0.164	0.058
0	0.103	0.109	0.106	?

Msds

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