



Human Interleukin17F (IL17F) ELISA Kit

Product Code	CSB-E15916h
Abbreviation	IL17F
Target Name	interleukin 17F
Uniprot No.	Q96PD4
Alias	IL-17F, ML-1, ML1, cytokine ML-1
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, cell culture supernates
Detection Range	12.5 pg/mL-800 pg/mL
Sensitivity	3.1 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	IL17F
Tag Info	quantitative
Protein Description	Sandwich

Description

This Human IL17F ELISA Kit was designed for the quantitative measurement of Human IL17F protein in serum, plasma, cell culture supernates. It is a Sandwich ELISA kit, its detection range is 12.5 pg/mL-800 pg/mL and the sensitivity is 3.1 pg/mL .

Target Details

This protein is a cytokine that shares sequence similarity with IL17. This cytokine is expressed by activated T cells, and has been shown to stimulate the production of several other cytokines, including IL6, IL8, and CSF2/GM-CSF. This cytokine is also found to inhibit the angiogenesis of endothelial cells and induce endothelial cells to produce IL2, TGFB1/TGFB, and monocyte chemoattractant protein-1.

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 IL17F 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 %	93
	Range %	87-99
1:2	Average %	103
	Range %	99-108
1:4	Average %	80
	Range %	85-96
1:8	Average %	93
	Range %	85-98

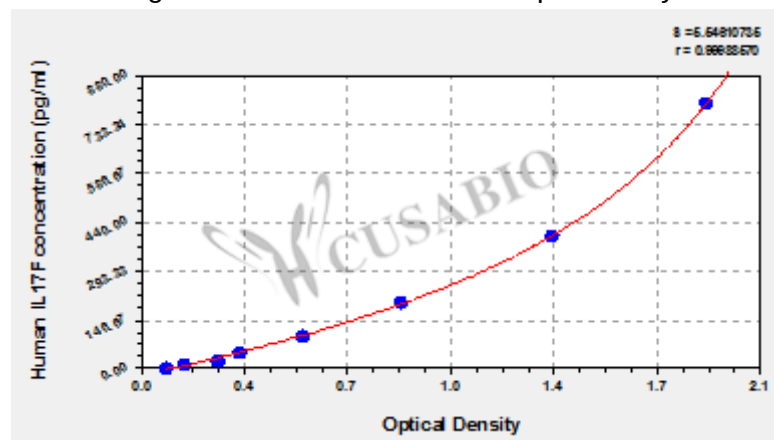
Recovery

The recovery of human IL17F 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)	92	87-96
EDTA plasma (n=4)	89	85-93

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
800	1.850	1.920	1.885	1.795
400	1.342	1.405	1.374	1.284
200	0.834	0.902	0.868	0.778
100	0.557	0.525	0.541	0.451
50	0.325	0.342	0.334	0.244
25	0.253	0.264	0.259	0.169
12.5	0.146	0.150	0.148	0.058
0	0.087	0.092	0.090	?

Msds

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