



Human Interleukin 11, IL-11 ELISA KIT

Product Code	CSB-E04596h
Abbreviation	IL11
Target Name	interleukin 11
Uniprot No.	P20809
Alias	AGIF, IL-11, adipogenesis inhibitory factor oprelvekin
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, cell culture supernates, urine, tissue homogenates
Detection Range	31.25 pg/mL-2000 pg/mL
Sensitivity	7.81 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	IL11
Tag Info	quantitative
Protein Description	Sandwich

Description	This Human IL11 ELISA Kit was designed for the quantitative measurement of Human IL11 protein in serum, cell culture supernates, urine, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 31.25 pg/mL-2000 pg/mL and the sensitivity is 7.81 pg/mL.
Target Details	This protein is a member of the gp130 family of cytokines. These cytokines drive the assembly of multisubunit receptor complexes, all of which contain at least one molecule of the transmembrane signaling receptor IL6ST (gp130). This cytokine is shown to stimulate the T-cell-dependent development of immunoglobulin-producing B cells. It is also found to support the proliferation of hematopoietic stem cells and megakaryocyte progenitor cells.
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-11 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 %	94-102
1:2	Average %	90
	Range %	85-94
1:4	Average %	95
	Range %	90-99
1:8	Average %	89
	Range %	84-93

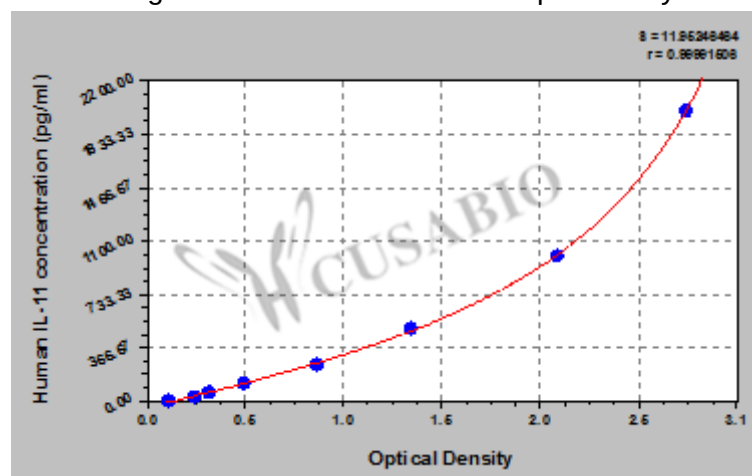
Recovery

The recovery of human IL-11 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)	84	80-88

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	2.838	2.731	2.785	2.665
1000	2.140	2.102	2.121	2.001
500	1.416	1.326	1.371	1.251
250	0.903	0.867	0.885	0.765
125	0.502	0.516	0.509	0.389
62.5	0.330	0.327	0.329	0.209
31.25	0.264	0.253	0.259	0.139
0	0.119	0.121	0.120	

Msds

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