



Human Interleukin-31 receptor subunit alpha(IL31RA) ELISA kit

Product Code	CSB-EL011654HU
Abbreviation	IL31RA
Protein Biological Process 1	Immunity
Target Name	interleukin 31 receptor A
Uniprot No.	Q8NI17
Alias	CRL, CRL3, GLM-R, GLMR, GPL, IL-31RA, MGC125346, PRO21384, GP130 like receptor class I cytokine receptor gp130-like monocyte receptor soluble type I cytokine receptor CRL3
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Immunity
Sample Types	serum, plasma, tissue homogenates
Detection Range	6.25 pg/mL-400 pg/mL
Sensitivity	1.56 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	IL31RA
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human IL31RA ELISA Kit was designed for the quantitative measurement of Human IL31RA protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 6.25 pg/mL-400 pg/mL and the sensitivity is 1.56 pg/mL.
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 IL31RA 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)
	Average %	95
1:5	Range %	89-99
	Average %	102
1:10	Range %	96-107
	Average %	96
1:20	Range %	92-103
	Average %	89
1:40	Range %	82-94

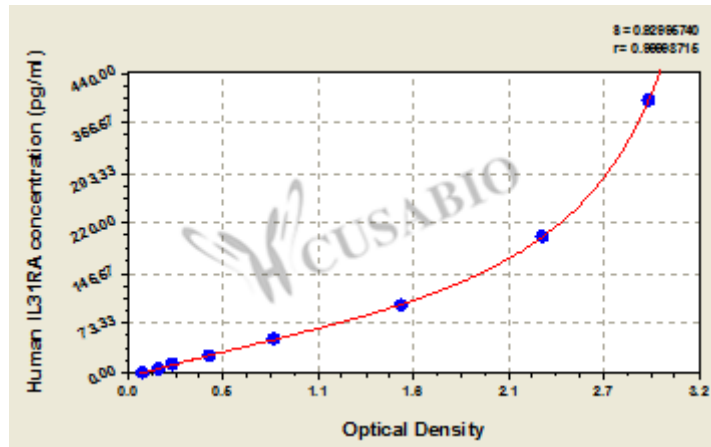
Recovery

The recovery of human IL31RA 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)	86	82-91
EDTA plasma (n=4)	97	92-102

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
400	2.943	2.875	2.909	2.819
200	2.387	2.246	2.317	2.227
100	1.554	1.512	1.533	1.443
50	0.826	0.808	0.817	0.727
25	0.467	0.455	0.461	0.371
12.5	0.259	0.246	0.253	0.163
6.25	0.179	0.173	0.176	0.086
0	0.091	0.089	0.090	?

Msds

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