



Human Interleukin-22 receptor subunit alpha-2(IL22RA2) ELISA kit

Product Code	CSB-EL011637HU
Abbreviation	IL22RA2
Target Name	interleukin 22 receptor, alpha 2
Uniprot No.	Q969J5
Alias	CRF2-10, CRF2-S1, CRF2X, IL-22BP, MGC150509, MGC150510, class II cytokine receptor interleukin 22-binding protein
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, 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	IL22RA2
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human IL22RA2 ELISA Kit was designed for the quantitative measurement of Human IL22RA2 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 7.81 pg/mL.
Target Details	This protein is a soluble class II cytokine receptor. This protein has been shown to specifically bind to interleukin 22 (IL22), block the interaction of IL22 with its cell surface receptor, and thus inhibit IL22 activity. This protein functions as an IL22 antagonist, and may be important in the regulation of inflammatory response. Three alternatively spliced transcript variants encoding 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 IL22RA2 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 %	94
1:1	Range %	87-98
	Average %	107
1:2	Range %	103-112
	Average %	91
1:4	Range %	85-97
	Average %	92
1:8	Range %	88-96

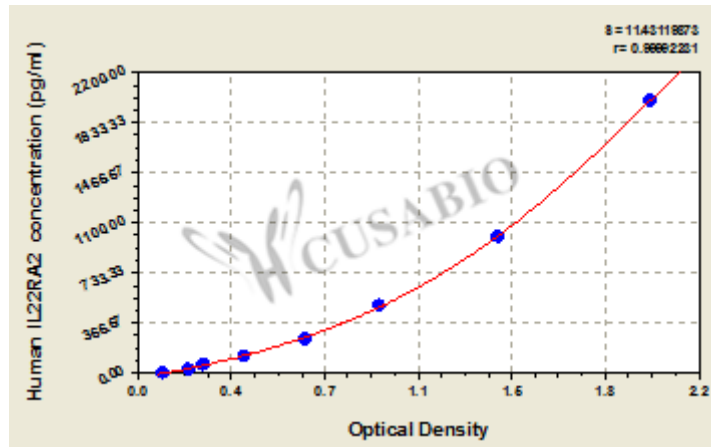
Recovery

The recovery of human IL22RA2 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)	102	98-105
EDTA plasma (n=4)	98	93-104

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	1.927	2.057	1.992	1.889
1000	1.342	1.460	1.401	1.298
500	0.922	0.965	0.944	0.841
250	0.651	0.663	0.657	0.554
125	0.432	0.412	0.422	0.319
62.5	0.254	0.269	0.262	0.159
31.25	0.208	0.201	0.205	0.102
0	0.104	0.102	0.103	?

Msds

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