



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

Product Code	CSB-EL011637MO
Abbreviation	IL22RA2
Target Name	interleukin 22 receptor, alpha 2
Uniprot No.	Q80XF5
Alias	CRF2-10, CRF2-S1, CRF2X, IL-22BP, MGC150509, MGC150510, class II cytokine receptor interleukin 22-binding protein
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Sample Types	serum, plasma, tissue homogenates
Detection Range	46.88 pg/mL-3000 pg/mL
Sensitivity	11.7 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 Mouse IL22RA2 ELISA Kit was designed for the quantitative measurement of Mouse IL22RA2 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 46.88 pg/mL-3000 pg/mL and the sensitivity is 11.7 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 mouse 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)
1:1	Average %	94
	Range %	90-97
1:2	Average %	100
	Range %	95-103
1:4	Average %	95
	Range %	89-100
1:8	Average %	89
	Range %	84-92

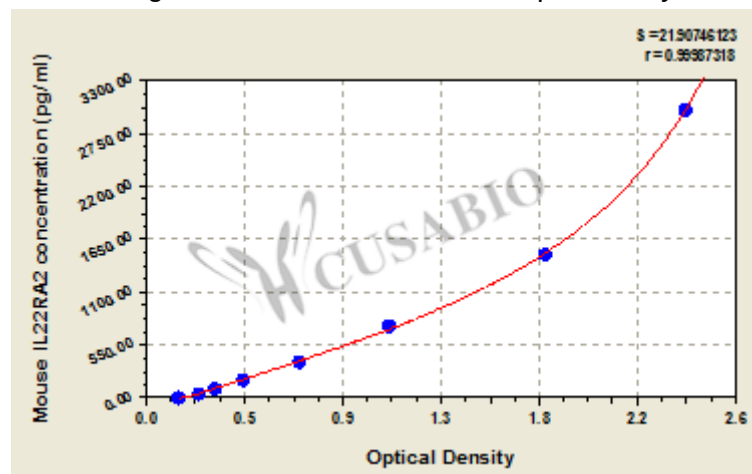
Recovery

The recovery of mouse 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)	95	90-97
EDTA plasma (n=4)	95	91-98

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
3000	2.412	2.423	2.418	2.258
1500	1.812	1.776	1.794	1.634
750	1.116	1.078	1.097	0.937
375	0.705	0.688	0.697	0.537
187.5	0.434	0.459	0.447	0.287
93.75	0.322	0.314	0.318	0.158
46.88	0.256	0.243	0.250	0.090
0	0.162	0.158	0.160	?

Msds

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