



Rat Interleukin 22(IL-22) ELISA Kit

Product Code	CSB-E14918r
Abbreviation	IL-22
Target Name	Interleukin 22(IL-22)
Uniprot No.	G3V6X6
Alias	N/A
Product Type	ELISA Kit
Immunogen Species	Rattus norvegicus (Rat)
Sample Types	serum, plasma, tissue homogenates
Detection Range	15.6 pg/mL-1000 pg/mL
Sensitivity	3.9 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
Tag Info	quantitative
Protein Description	Sandwich

Description	This Rat IL-22 ELISA Kit was designed for the quantitative measurement of Rat IL-22 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 15.6 pg/mL-1000 pg/mL and the sensitivity is 3.9 pg/mL.
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Product Precision	<p>Intra-assay Precision (Precision within an assay): CV%<8%</p> <p>Three samples of known concentration were tested twenty times on one plate to assess.</p> <p>Inter-assay Precision (Precision between assays): CV%<10%</p> <p>Three samples of known concentration were tested in twenty assays to assess.</p>
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Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of rat IL-22 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 %	88
	Range %	83-94
1:2	Average %	99
	Range %	90-102



1:4	Average %	93
	Range %	85-97
1:8	Average %	92
	Range %	84-96

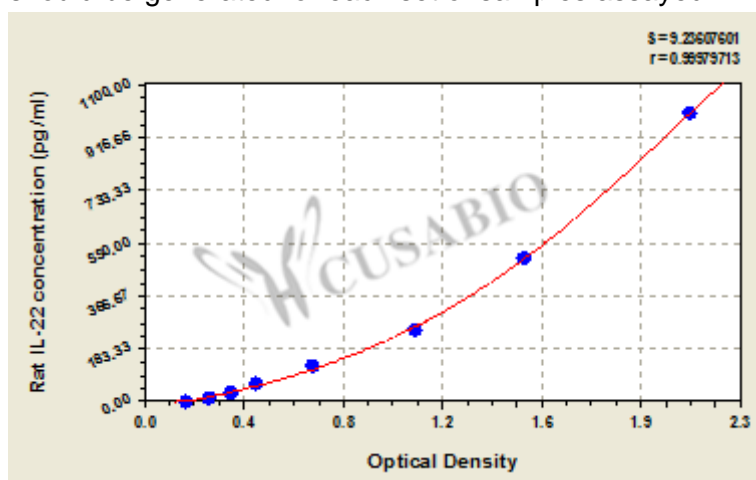
Recovery

The recovery of rat IL-22 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)	101	95-105
EDTA plasma (n=4)	104	92-109

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
1000	2.120	2.147	2.134	1.958
500	1.493	1.486	1.490	1.314
250	1.029	1.105	1.067	0.891
125	0.658	0.673	0.666	0.490
62.5	0.456	0.444	0.450	0.274
31.2	0.346	0.358	0.352	0.176
15.6	0.270	0.262	0.266	0.090
0	0.174	0.178	0.176	

Msds

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