



# Rat CX3C chemokine receptor 1(CX3CR1) ELISA kit

<b>Product Code</b>	CSB-EL006236RA
<b>Abbreviation</b>	CX3CR1
<b>Target Name</b>	chemokine (C-X3-C motif) receptor 1
<b>Uniprot No.</b>	P35411
<b>Alias</b>	CCRL1, CMKBRL1, CMKDR1, GPR13, GPRV28, V28, G protein-coupled receptor 13 chemokine (C-C) receptor-like 1 chemokine (C-X3-C) receptor 1
<b>Product Type</b>	ELISA Kit
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Sample Types</b>	serum, plasma, tissue homogenates, cell lysates
<b>Detection Range</b>	23.5 pg/mL-1500 pg/mL
<b>Sensitivity</b>	5.8 pg/mL
<b>Assay Time</b>	1-5h
<b>Sample Volume</b>	50-100ul
<b>Detection Wavelength</b>	450 nm
<b>Lead Time</b>	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
<b>Research Area</b>	Immunology
<b>Gene Names</b>	Cx3cr1
<b>Tag Info</b>	quantitative
<b>Protein Description</b>	Sandwich
<b>Description</b>	This Rat CX3CR1 ELISA Kit was designed for the quantitative measurement of Rat CX3CR1 protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 23.5 pg/mL-1500 pg/mL and the sensitivity is 5.8 pg/mL.
<b>Product Precision</b>	<p>Intra-assay Precision (Precision within an assay): CV%&lt;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%&lt;10%</p> <p>Three samples of known concentration were tested in twenty assays to assess.</p>
<b>Linearity</b>	To assess the linearity of the assay, samples were spiked with high concentrations of rat CX3CR1 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 %	92
	Range %	87-95
1:2	Average %	105
	Range %	99-108
1:4	Average %	90
	Range %	85-93
1:8	Average %	95
	Range %	91-98

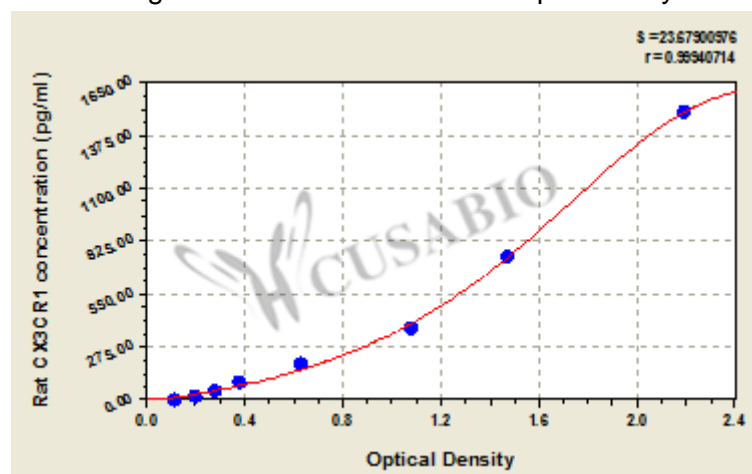
## Recovery

The recovery of rat CX3CR1 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)	92	87-94
EDTA plasma (n=4)	107	99-111

## 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
1500	2.191	2.124	2.158	2.035
750	1.445	1.452	1.449	1.326
375	1.088	1.051	1.070	0.947
187.5	0.634	0.622	0.628	0.505
94	0.372	0.389	0.381	0.258
47	0.288	0.278	0.283	0.160
23.5	0.210	0.207	0.209	0.086
0	0.124	0.122	0.123	

## Msds

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