Mouse C-C chemokine receptor type 2(CCR2) ELISA kit

Product Code	CSB-EL004841MO
Abbreviation	CCR2
Target Name	chemokine (C-C motif) receptor 2
Uniprot No.	P51683
Alias	CC-CKR-2, CCR2A, CCR2B, CD192, CKR2, CKR2A, CKR2B, CMKBR2, MCP-1-R, MCP-1 receptor|chemokine (C-C) receptor 2|monocyte chemoattractant protein 1 receptor|monocyte chemotactic protein 1 receptor
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
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
Gene Names	Ccr2
Tag Info	quantitative
Protein Description	Sandwich
Description	This Mouse CCR2 ELISA Kit was designed for the quantitative measurement of Mouse CCR2 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.
Target Details	This gene encodes two isoforms of a receptor for monocyte chemoattractant protein-1, a chemokine which specifically mediates monocyte chemotaxis. Monocyte chemoattractant protein-1 is involved in monocyte infiltration in inflammatory diseases such as rheumatoid arthritis as well as in the inflammatory response against tumors. The receptors encoded by this gene mediate agonist-dependent calcium mobilization and inhibition of adenylyl cyclase. This gene is located in the chemokine receptor gene cluster region. Two alternatively spliced transcript variants are expressed by the gene.

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 CCR2 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 %	86-99
1:2	Average %	98
	Range %	90-102
1:4	Average %	92
	Range %	85-96
1:8	Average %	98
	Range %	92-101

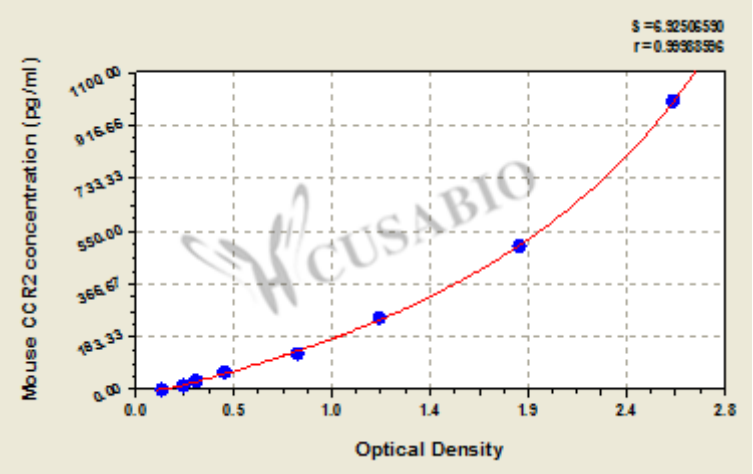
Recovery

The recovery of mouse CCR2 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)	90	84-94
EDTA plasma (n=4)	98	91-102

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
1000	2.618	2.542	2.580	2.442
500	1.863	1.825	1.844	1.706
250	1.185	1.166	1.176	1.038
125	0.792	0.776	0.784	0.646
62.5	0.429	0.444	0.437	0.299
31.2	0.299	0.307	0.303	0.165
15.6	0.237	0.244	0.241	0.103
0	0.139	0.137	0.138	

Msds

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