Mouse monocyte chemotactic protein 2,MCP-2 ELISA kit

Product Code	CSB-E07428m
Protein Biological Process 2	chemokine
Abbreviation	CCL8
Protein Biological Process 1	Immunity
Target Name	chemokine (C-C motif) ligand 8
Uniprot No.	Q9Z121
Alias	HC14, MCP-2, MCP2, SCYA10, SCYA8, monocyte chemoattractant protein 2|monocyte chemotactic protein 2|small inducible cytokine A8|small inducible cytokine subfamily A (Cys-Cys), member 8 (monocyte che
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Protein Biological Process 3	Chemotaxis
Sample Types	serum, plasma, tissue homogenates
Detection Range	6.25 pg/mL-400 pg/mL
Sensitivity	1.56 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	Ccl8
Tag Info	quantitative
Protein Description	Sandwich
Description	This Mouse CCL8 ELISA Kit was designed for the quantitative measurement of Mouse CCL8 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 6.25 pg/mL-400 pg/mL and the sensitivity is 1.56 pg/mL.
Target Details	This gene is one of several cytokine genes clustered on the q-arm of

chromosome 17. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. This protein is structurally related to the CXC subfamily of cytokines. Members of this subfamily are characterized by two cysteines separated by a single amino acid. This cytokine displays chemotactic activity for monocytes, lymphocytes, basophils and eosinophils. By recruiting leukocytes to sites of inflammation this cytokine may contribute to tumor-associated leukocyte infiltration and to the antiviral state against HIV infection.

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 MCP-2 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 %	87
	Range %	85-88
1:2	Average %	102
	Range %	98-106
1:4	Average %	98
	Range %	96-101
1:8	Average %	92
	Range %	89-95

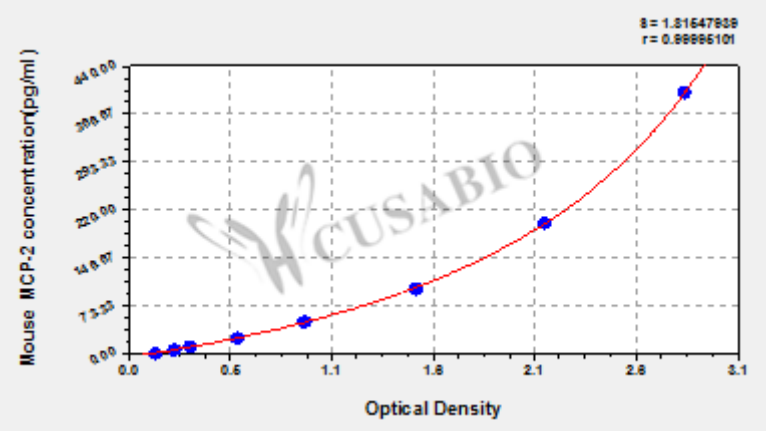
Recovery

The recovery of mouse MCP-2 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)	88	84-92
EDTA plasma (n=4)	95	92-98

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
400	2.955	2.781	2.868	2.720
200	2.138	2.156	2.147	1.999
100	1.445	1.532	1.489	1.341
50	0.921	0.903	0.912	0.764
25	0.584	0.561	0.573	0.425
12.5	0.333	0.324	0.329	0.181
6.25	0.241	0.253	0.247	0.099
0	0.142	0.153	0.148	

Msds

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