



Mouse Monocyte Chemotactic Protein 5 (MCP-5) ELISA Kit

Product Code	CSB-E15766m
Abbreviation	MCP-5
Protein Biological Process 1	Cytokine
Target Name	Monocyte Chemotactic Protein 5 (MCP-5)
Uniprot No.	Q62401
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	16.82 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	Ccl12
Tag Info	quantitative
Protein Description	Sandwich
Description	This Mouse MCP-5 ELISA Kit was designed for the quantitative measurement of Mouse MCP-5 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 16.82 pg/mL.
Product Precision	<p>Intra-assay Precision (Precision within an assay): CV%<8% Three samples of known concentration were tested twenty times on one plate to assess.</p> <p>Inter-assay Precision (Precision between assays): CV%<10% Three samples of known concentration were tested in twenty assays to assess.</p>
Linearity	



To assess the linearity of the assay, samples were spiked with high concentrations of mouse MCP-5 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 %	82-91
1:2	Average %	94
	Range %	89-98
1:4	Average %	107
	Range %	103-110
1:8	Average %	110
	Range %	104-114

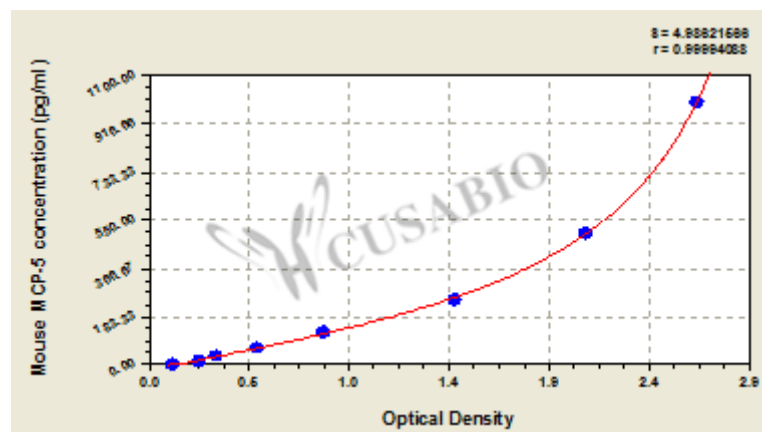
Recovery

The recovery of mouse MCP-5 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	91-99
EDTA plasma (n=4)	103	98-108

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	2.615	2.634	2.625	2.499
500	2.177	2.012	2.095	1.969
250	1.432	1.502	1.467	1.341
125	0.842	0.839	0.841	0.715
62.5	0.531	0.529	0.530	0.404
31.2	0.334	0.326	0.330	0.204
15.6	0.246	0.251	0.249	0.123
0	0.125	0.127	0.126	?

Msds

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