

## GFM39 Recombinant Mouse MCP-1 / CCL2

### Description

Monocyte Chemotactic Protein 1 (MCP-1), also known as CCL2, is produced by injured or infected tissues. MCP-1 signals through the CCR2 and CCR4 G protein-coupled receptors to recruit memory T cells, monocytes, and dendritic cells to sites of inflammation.

<b>Length</b>	125 aa
<b>Molecular Weight</b>	13.8 kDa
<b>Source</b>	E. coli
<b>Accession Number</b>	P10148
<b>Purity</b>	≥95% determined by reducing and non-reducing SDS-PAGE

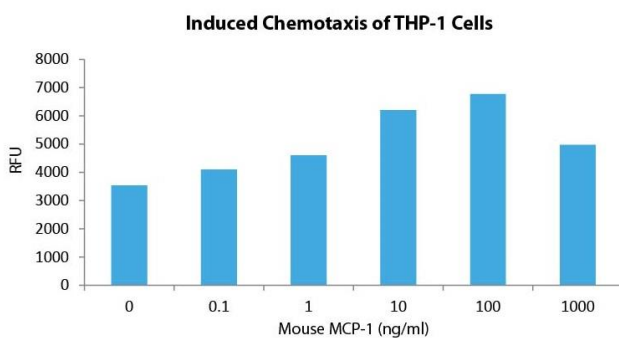
### Specifications

<b>Alternative Names</b>	Monocyte Chemotactic Protein 1, CCL2, JE, MCAF
<b>Biological Activity</b>	Mouse MCP-1 is fully biologically active when compared to standard. The activity is determined by the ability to induce chemotaxis of THP-1 cells and it is typically less than 100 ng/ml.
<b>Endotoxin Level</b>	≤1.00 EU/μg as measured by kinetic LAL
<b>Formulation</b>	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)
<b>AA Sequence</b>	QPDVAVNAPLT CCYSFTSKMI PMSRLESYKR ITSSRCPKEA VVVFVTKLKRE VCADPKKEWV QTYIKNLDRN QMRSEPTTLF KTASALRSSA PLNVKLTTRKS EANASTTFST TTSSTSVGVT SVTVN

### Preparation and Storage

<b>Reconstitution</b>	Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at 0.1 mg/ml, which can be further diluted into other aqueous solutions.
<b>Stability and Storage</b>	12 months from date of receipt when stored at -20°C to -80°C as supplied. 1 month when stored at 4°C after reconstituting as directed. 3 months when stored at -20°C to -80°C after reconstituting as directed.

### Data



Induced chemotaxis of THP-1 cells assay for Mouse MCP-1. Cells that migrated were counted using a luminescent substrate. Migration over basal levels was reported in response to Mouse MCP-1 starting at 1 ng/ml.