

Recombinant Murine Chemokine (C-C Motif) Ligand 9

Cat. No. Ccl9-103M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Murine MIP-1 produced in <i>E.coli</i> is a 11.6 kDa protein containing 101 amino acid residues.
Species	Mouse
Source	E.coli
Description	Murine macrophage inflammatory protein-1 (MRP2, CCF18) is a monokine with inflammatory, pyrogenic and chemokinetic CC properties. When murine MIP-1 binds to a high affinity receptor it activates CC calcium release in neutrophils. It also inhibits colony formation CC of bone marrow myeloid immature progenitors.
Purity	> 99% (SDS-PAGE; HPLC).
Endotoxin level	< 0.1 ng/g of MIP-1.
Stabilizer	None.
Formulation	Lyophilized.
Biologically Activity	The biological activity of murine MIP-1 was determined by a chemotaxis assay. Significant chemotaxis was achieved at a concentration of 100 ng/ml.
Reconstitution	The lyophilised murine MIP-1 is soluble in water and most aqueous buffers. The lyophilised MIP-1 γ can be reconstituted in water to a concentration of 1 mg/ml. This

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solution can be diluted into other buffered solutions or stored frozen for future use.

Stability

The lyophilised protein, though stable at room temperature, is best stored desiccated below 0°C. Reconstituted murine MIP-1 should be stored in working aliquots at -20°C. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name

[Ccl9 chemokine \(C-C motif\) ligand 9 \[Mus musculus \]](#)

Synonyms

Ccl9; chemokine (C-C motif) ligand 9; CCF18; MRP-2; Scya9; Scya10; MIP-1 gamma; OTTMUSP00000000947; small inducible cytokine A9; small inducible cytokine A10

Gene ID

[20308](#)

mRNA Refseq

[NM_011338](#)

Protein Refseq

[NP_035468](#)

UniProt ID

[P51670](#)

Chromosome Location

47.4 cM

Pathway

Chemokine signaling pathway; Cytokine-cytokine receptor interaction

Function

chemokine activity; cytokine activity

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