

Active Recombinant Mouse Chemokine (C-C motif) Ligand 9

Cat. No. Ccl9-403M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Ccl9 protein was expressed in E. coli. Gln22-Gln122.
Species	Mouse
Source	E.coli
Protein Length	22-122 a.a.
Description	Mouse Ccl9 (also MIP1 γ and MRP2) is an 11 kDa, secreted, monomeric polypeptide that belongs to the β (or CC) intercrine family of chemokines. Based on its activity and amino acid (aa) sequence, it is further classified as a member of the NC6 or six cysteine containing CC subfamily of chemokines.
Form	Lyophilized from a 0.2 μ m filtered solution in Acetonitrile and TAF with BSA as a carrier protein.
N-terminal Sequence	Gln22
Molecular Weight	11.5 kDa
Activity	Measured by its ability to chemoattract THP-1 human acute monocytic leukemia cells. The ED ₅₀ for this effect is typically 0.2-0.6 μ g/mL. Measured by its ability to chemoattract human CCR1 transfected BaF3 mouse pro-B cells. The ED ₅₀ for this effect is typically 0.002-0.01 μ g/mL.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Endotoxin Level	<1.0 EU per 1 µg of the protein by the LAL method.
Purity	>97%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Reconstitution	Reconstitute at 25µg/mL in sterile PBS that containing at least 0.1% human or bovine serum albumin.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 1 month, 2 to 8°C under sterile conditions after reconstitution. 3 months, -20 to -70°C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	Ccl9 chemokine (C-C motif) ligand 9 [<i>Mus musculus</i>]
Official Symbol	Ccl9
Synonyms	Ccl9; chemokine(C-C motif) ligand 9; CCF18; MRP-2; Scya9; Scya10; OTTMUSP00000000947; MIP-1 gamma; C-C motif chemokine 9; small inducible cytokine A9; small inducible cytokine A10; macrophage inflammatory protein 1-gamma; macrophage inflammatory protein-related protein 2; MIP-1-gamma; Mrp2; Small-inducible cytokine A9
Gene ID	20308
mRNA Refseq	NM_011338
Protein Refseq	NP_035468
UniProt ID	P51670

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Chromosome Location	11
Pathway	Chemokine signaling pathway; Class A/1 (Rhodopsin-like receptors); Cytokine-cytokine receptor interaction; GPCR ligand binding; GPCR downstream signaling; G alpha (i) signaling events; G alpha (q) signaling events; Peptide ligand-binding receptors; Signal Transduction; Signaling by GPCR
Function	chemokine activity; cytokine activity

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