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

Cat. No. Ccl9-400M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinantmouse Ccl9 protein was expressed in E. coli. Gly50-Gln122.
Species	Mouse
Source	E.coli
ProteinLength	50-122 a.a.
Description	Mouse Ccl9 (alsoMIP1γ and MRP2) is an 11 kDa, secreted, monomeric polypeptide that belongs tothe β (or CC) intercrine family of chemokines. Based on its activity andamino acid (aa) sequence, it is further classified as a member of the NC6 orsixcysteine containing CC subfamily of chemokines.
Form	Lyophilized from a0.2 μm filtered solution in PBS with BSA as a carrier protein.
N-terminal Sequence	Gly50
Molecular Weight	8.4 kDa
Activity	Measured by itsability to chemoattract human CCR1 transfected BaF3 mouse pro-B cells. The ED50for this effect is typically 0.2-1 ng/mL.
Endotoxin Level	<1.0 EU per 1 μgof the protein by the LAL method.
Purity	>97%,by SDS-PAGE under reducing conditions and visualized by silver stain.

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Reconstitution	Reconstitute at 100μg/mL in sterile PBS that containing at least 0.1% human or bovine serumalbumin.
Storage	Use amanual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 1month, 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 [Mus musculus]
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 induciblecytokine A9; small inducible cytokine A10; macrophage inflammatory protein1-gamma; macrophage inflammatory protein-ratated protein 2; MIP-1-gamma;Mrp2; Small-inducible cytokine A9
Gene ID	20308
mRNA Refseq	NM_011338
Protein Refseq	NP_035468
UniProt ID	P51670
Chromosome Location	11
Pathway	Chemokine signalingpathway; Class A/1 (Rhodopsin-like receptors); Cytokine-

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	cytokine receptorinteraction; GPCR ligand binding; GPCR downstream signaling; G alpha (i)signaling events; G alpha (q) signaling events; Peptide ligand-bindingreceptors; Signal Transduction; Signaling by GPCR
Function	chemokineactivity; cytokine activity

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