

Growth Factor Data Sheet

GoldBio growth factors are manufactured for RESEARCH USE ONLY and cannot be sold for human consumption!

CCL9 is a chemokine containing six conserved cysteine residues that form three disulfide bonds essential for biological activity. It circulates in the blood of healthy animals and is expressed constitutively in macrophages and myeloid cell lines. CCL9 displays chemotaxis for neutrophils, CD4+ T lymphocytes, and Peyer's patch dendritic cells. Upon injection of CCL9, fever and inflammation are induced. CCL9 plays a major role in osteoclastogenesis and inhibits colony formation of bone marrow myeloid immature progenitors. It is a ligand for CCR1 and CCR3. Murine CCL9 has also been identified as murine CCL10 and is most homologous to Human CCL15.

Catalog Number	2340-09
Product Name	CCL9 (CCL10), Murine Recombinant Murine Chemokine (C-C motif) Ligand 9 (CCL9) Recombinant Murine Chemokine (C-C motif) Ligand 10 (CCL10) Small Inducible Cytokine Subfamily A Member 9 (SCYA9) Small Inducible Cytokine Subfamily A Member 10 (SCYA10) Macrophage Inflammatory Protein 1, Gamma (MIP1 γ , MIP-1 γ) MIP-related protein 2 (MRP2, MRP-2) CCF18
Source	<i>Escherichia coli</i>
MW	~11.6 kDa (101 amino acids)
Sequence	QITHATETKE VQSSLKAQQG LEIEMFHMFGF QDSSDCCLSY NSRIQCSRFI GYFPTSGGCT RPGIIFISKR GFQVCANPSD RRVQRCIERL EQNSQPRTYK Q
Accession Number	P51670
Purity	>95% by SDS-PAGE and HPLC analyses
Biological Activity	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human neutrophils is in a concentration of 0.1-10 ng/ml.
Formulation	Sterile filtered white lyophilized powder. Purified and tested for use in cell culture.
Storage/Handling	This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage. The reconstituted sample can be apportioned into working aliquots and stored at -80 °C for up to 6 months. Avoid repeated freeze/thaw cycles.
Reconstitution	The sample should be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in a siliconized tube using PBS that contains a 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Reconstituted solutions are stable for up to one week at 2-8°C. Stock solutions should be aliquoted and stored at -80°C. Further dilutions should be made in appropriate buffered solutions containing BSA or serum.