

# Growth Factor Data Sheet

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Murine CXCL9 is a CXC chemokine lacking the ELR motif. It is expressed in and secreted by macrophages, epithelial cells, and other cell types after induction by IFNG. It is chemotactic for stimulated T lymphocytes and plays a role in angiostasis, inhibition of neovascularization, inhibition of hematopoietic progenitor cells, and T-cell activation. CXCL9 is most closely related to CXCL10 and CXCL11, all three of which are ligands for CXCLR3. CXCL9 exhibits antimicrobial activity and even after degradation by speB from *S. pyogenes*, it retains such activity.

<b>Catalog Number</b>	<b>2310-09</b>
<b>Product Name</b>	<b>CXCL9, Murine</b> Recombinant Murine Chemokine [C-X-C motif] Ligand 9 (CXCL9) Monokine Induced by Gamma-Interferon (MIG) Cytokine Responsive Gene 10 (CRG10) Small Inducible Cytokine Subfamily B Member 9 (SCYB9) Mumig
<b>Source</b>	<i>Escherichia coli</i>
<b>MW</b>	~12.2 kDa (105 amino acids)
<b>Sequence</b>	TLVIRNARCS CISTSRGTIH YKSLKDLKQF APSPNCNKTE IIATLKNGDQ TCLDPDSANV KKLMKEWEKK INQKKKQKRG KKHQKNMKNR KP KTPQSRRR SRKTT
<b>Accession Number</b>	<a href="#">P18340</a>
<b>Purity</b>	>95% by SDS-PAGE and HPLC analyses
<b>Biological Activity</b>	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human lymphocytes is in a concentration range of 0.1-10 ng/ml.
<b>Formulation</b>	Sterile filtered white lyophilized powder. Purified and tested for use in cell culture.
<b>Storage/Handling</b>	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.
<b>Reconstitution</b>	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.