

Growth Factor Data Sheet

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CCL23 is a chemokine containing six conserved cysteine residues, two of which are adjacent. It is expressed in alveolar macrophages, dendritic cells, and endometrial stromal cells. It is also expressed in monocytes after induction with IL1B and IFNG. CCL23 is chemotactic for monocytes and resting T cells and is a suppressor of LPP-CFC myeloid progenitor cells. It is a ligand for CCR1, as well as the formyl peptide receptor FPR1.

Catalog Number	2140-23
Product Name	CCL23, Human Recombinant Human Chemokine (C-C motif) Ligand 23 (CCL23) Myeloid Progenitor Inhibitory Factor 1(MPIF1, MPIF-1) Small Inducible Cytokine Subfamily A Member 23 (SCYA23) Macrophage Inflammatory Protein 3, Beta (MIP3B, MIP-3-B)
Source	<i>Escherichia coli</i>
MW	~11.4 kDa (99 amino acids)
Sequence	RVTKDAETEF MMSKLPLENP VLLDRFHATS ADCCISYTPR SIPCSLLESY FETNSECSKP GVIFLTKKGR RFCANPSDKQ VQVCMRMLKL DTRIKTRKN
Accession Number	P55773
Purity	>97% 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 T-lymphocytes is in a concentration of 10-50 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.