

# Growth Factor Data Sheet

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

CCL18 is a chemokine containing four conserved cysteine residues, two of which are adjacent. It is expressed constitutively in lung tissues and transiently in alveolar macrophages and follicular dendritic cells induced by IL4, IL10, IL13, LPS, or PMA. Expression of CCL18 is inhibited by IFNG. CCL18 is chemotactic for activated T-lymphocytes, non-activated lymphocytes, and basophils and likely plays a role in initiation of immune responses. It is a ligand for CCR8 and GPER1.

<b>Catalog Number</b>	<b>2140-18</b>
<b>Product Name</b>	<b>CCL18, Human</b> Recombinant Human Chemokine (C-C motif) Ligand 18 (CCL18) Pulmonary and Activation Regulated Chemokine (PARC) Small Inducible Cytokine Subfamily A Member 18 (SCYA18) Alternative Macrophage Activation-Associated CC Chemokine 1 (AMAC1, AMAC-1) Dendritic Cell Chemokine 1 (DCCK1, DC-CK1) Macrophage Inflammatory Protein 4 (MIP4, MIP-4)
<b>Source</b>	<i>Escherichia coli</i>
<b>MW</b>	~7.9 kDa (69 amino acids)
<b>Sequence</b>	AQVGTNKELC CLVYTSWQIP QKFIVDYSET SPQCPKPGVI LLTKRGRQIC ADPNKKWVQK YISDLKLNA
<b>Accession Number</b>	<a href="#">P55774</a>
<b>Purity</b>	>97% 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 T-lymphocytes is in a concentration of 1.0-10 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.