

# Growth Factor Data Sheet

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

CCL11 is a chemokine containing four conserved cysteine residues, the first two of which are adjacent. It is expressed in dermal fibroblasts. Expression of CCL11 is induced by IL1A and TNFA and inhibited by IFNG. It is strongly and selectively chemotactic for eosinophils and induces a calcium flux response in eosinophils. CCL11 induces angiogenesis and endothelial cell sprouting from aortic rings in the absence of an eosinophil and has been implicated to be involved in a variety of eosinophilic inflammatory diseases. CCL11 is a ligand for CCR1, CCR2, CCR3, CCR5, and ACKR2 (D6).

<b>Catalog Number</b>	<b>2240-11</b>
<b>Product Name</b>	<b>CCL11, Rhesus Macaque</b> Recombinant Rhesus Monkey Chemokine (C-C motif) Ligand 11 (CCL11) Eotaxin, Eotaxin 1 Small Inducible Cytokine Subfamily A Member 11 (SCYA11)
<b>Source</b>	<i>Escherichia coli</i>
<b>MW</b>	~8.4 kDa (74 amino acids)
<b>Sequence</b>	GPDSVATTCC FTLTNKKIPL QRLESYRRII SGKCPQKAVI FKTKLAKDIC ADPKKKWVQD SMKYLDRKSP TPKP
<b>Accession Number</b>	<a href="#">Q8MIT7</a>
<b>Purity</b>	>98% 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 peripheral blood eosinophils is in a concentration range of 0.1-10.0 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.