

Growth Factor Data Sheet

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

CCL19 is a chemokine containing four conserved cysteine residues, two of which are adjacent. It is expressed by dendritic cells in lymph nodes, as well as in spleen and thymus tissue. Expression of CCL19 is upregulated by IFNG and TNF-alpha. CCL19 has shown to be chemotactic for T-cells and B-cells, as well as CFU granulocyte macrophages. It plays a role in mobilization of dendritic cells from the epidermis to lymph nodes and development of local lymphoid tissues. CCL19 is a ligand for CCR7 (EBI1), as well as the atypical chemokine receptors CCRL1 and CCRL2.

Catalog Number	2340-19
Product Name	CCL19, Murine Recombinant Murine Chemokine (C-C motif) Ligand 19 (CCL19) Macrophage Inflammatory Protein 3, Beta (MIP3B, MIP-3 β) Small Inducible Cytokine Subfamily A Member 17 (SCYA17) Exodus 3, Exodus-3 EBI1 Ligand Chemokine (ELC) Chemokine Beta 11 (Ck β 11, Ck- β -11)
Source	<i>Escherichia coli</i>
MW	~9.2 kDa (83 amino acids)
Sequence	GANDAEDCCL SVTQRPIPGN IVKAFRYLLN EDGCRVPAVV FTTLRGYQLC APPDQPWVDR IIRRLKKSSA KNKGNSTRRS PVS
Accession Number	O70460
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 mature dendritic cells is in a concentration of 10-100 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.