Growth Factor Data Sheet

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

CCL22 is a chemokine containing four conserved cysteine residues, two of which are adjacent. It is expressed in thymus tissue, macrophages, and dendritic cells. Expression of CCL22 is induced by IL4 and IL13 and inhibited by IL10. It is chemotactic for chronically activated T cells and plays a role in trafficking activated T cells. It also plays a role in migration and survival of cells expressing FOXP3 in HTLV1 infection. CCL22 is a ligand for CCR4.

Catalog Number **Product Name**	**2140-22** **CCL22, Human** Recombinant Human Chemokine (C-C motif) Ligand 22 (CCL22) Stimulated T Cell Chemotactic Protein 1 (STCP-1) Small Inducible Cytokine Subfamily A Member 22 (SCYA22) Macrophage-Derived Chemokine (MDC)
Source	*Escherichia coli*
MW	~8.1 kDa (69 amino acids)
Sequence	GPYGANMEDS VCCRDYVRYR LPLRVVKHFY WTSDSCPRPG VVLLTFRDKE ICADPRVPWV KMILNKLSQ
Accession Number	O00626
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 10-100 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.