

Growth Factor Data Sheet

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Murine CCL22 is a chemokine containing four conserved cysteine residues, two of which are adjacent. It is expressed in activated splenic B-cells, macrophages, and dendritic cells. Expression of CCL22 is induced by IL4 and IL13 and inhibited by IL10. Increased expression of murine CCL22 has also been observed from bone marrow-derived mast cells after incubation with TNF-alpha or IgE. CCL22 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	2340-22
Product Name	CCL22, Murine Recombinant Murine 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	<i>Escherichia coli</i>
MW	~7.8 kDa (68 amino acids)
Sequence	GPYGANVEDS ICCQDYIRHP LPSRLVKEFF WTSKSCRKPG VVLITVKNRD ICADPRQVWV KKLLHKLS
Accession Number	O88430
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 activated lymphocytes is in a concentration range 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.