

Growth Factor Data Sheet

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Murine CCL5 is a chemokine containing four conserved cysteine residues, the first two of which are adjacent. It is expressed and secreted by T lymphocytes. Expression of CCL5 is induced by TNF-alpha and IL1-alpha and inhibited by stimulation of T lymphocytes. CCL5 is chemotactic for T lymphocytes, eosinophils, basophils, and monocytes and plays a role in recruiting these cells to inflammatory sites. It also induces proliferation and activation of CHAK cells and is an HSV and HIV-suppressive factor. CCL5 is a ligand for CCR1, CCR3, CCR5, and the viroreceptor M3. Murine CCL5 is chemotactic for both murine and human leukocytes in a dose-dependent fashion.

Catalog Number	2340-05
Product Name	CCL5, Murine Recombinant Murine Chemokine (C-C motif) Ligand 5 (CCL5) Regulated Upon Activation, Normally T-Expressed, and Presumably Secreted (RANTES) Small Inducible Cytokine Subfamily A Member 5 (SCYA5) T-Cell Specific Protein p228 (TCP228) Eosinophil Chemotactic Polypeptide 1 (EoCP1)
Source	<i>Escherichia coli</i>
MW	~7.9 kDa (68 amino acids)
Sequence	SPYGSDDTTPC CFAYLSLALP RAHVKEYFYT SSKCSNLAVV FVTRRRNRQVC ANPEKKWVQE YINYLEMS
Accession Number	P30882
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 range of 1.0-10 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.