

Growth Factor Data Sheet

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Rat CCL24 is a chemokine containing four conserved cysteine residues, two of which are adjacent. It is expressed by activated monocytes and activated T lymphocytes. CCL24 is expressed in jejunum and spleen constitutively and is upregulated by allergen challenge and IL4 overexpression. CCL24 is chemotactic for resting T lymphocytes and eosinophils and is a suppressor of HPP-CFC myeloid progenitor cells. It causes a transient rise in intracellular calcium levels in eosinophils and is involved in a variety of eosinophilic inflammatory diseases. CCL24 is a ligand for CCR3.

Catalog Number	2540-24
Product Name	CCL24, Rat Recombinant Rat Chemokine (C-C motif) Ligand 24 (CCL24) Myeloid Progenitor Inhibitory Factor 2 (MPIF2, MPIF-2) Small Inducible Cytokine Subfamily A Member 24 (SCYA24) Eotaxin 2
Source	<i>Escherichia coli</i>
MW	~10.5 kDa (98 amino acids)
Sequence	MPTGSVTIPS SCCVTFISKK IPVNRVISYQ LANGSICPKA GVIFITKKGH KICTDPKLPW VQKHIKNLDA KRNQPSEGAK ALGPKFVIQK LRGNSTKV
Purity	>96% by SDS-PAGE and HPLC analyses
Biological Activity	Fully biologically active when compared to standard. The biologically active determined by a chemotaxis bioassay using human peripheral blood eosinophils is in a concentration of 50-250 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.