

Growth Factor Data Sheet

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CCL24 is a chemokine containing four conserved cysteine residues, two of which are adjacent. It is expressed by activated monocytes and activated T lymphocytes. Murine 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. CCL24 is a ligand for CCR3.

Catalog Number	2340-24
Product Name	CCL24, Murine Recombinant Murine 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	~10.3 kDa (93 amino acids)
Sequence	VTIPSSCCTS FISKKIPENR VVSYQLANGS ICPKAGVIFI TTKGHKICTD PKLLWVQRHI QKLDAAKNQP SKGAKAVRTK FAVQRRRGNS TEV
Accession Number	Q9JKC0
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 murine 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.