

Growth Factor Data Sheet

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Rat CCL11 is a chemokine containing four conserved cysteine residues, of which the first two are adjacent. It is expressed in fibroblasts, epithelial cells, smooth muscle cells, and dendritic cells. Expression of CCL11 is upregulated by several proinflammatory cytokines, including IL1A and TNFA, and is inhibited by IFNG. CCL11 is strongly and selectively chemotactic and activating for eosinophils and is involved in a variety of eosinophilic inflammatory diseases. It also plays a role in angiogenesis and tumor growth. CCL11 is a ligand primarily for CCR3, but also CCR1, CCR2, CCR5, and ACKR2 (D6).

Catalog Number	2540-11
Product Name	CCL11, Rat Recombinant Rat Chemokine (C-C motif) Ligand 11 (CCL11) Eotaxin, Eotaxin 1 Small Inducible Cytokine Subfamily A Member 11 (SCYA11)
Source	<i>Escherichia coli</i>
MW	~8.4 kDa (74 amino acids)
Sequence	HPGSIPTSCC FTMTSKKIPN TLLKSYKRIT NNRCTLKAIV FKTKLGKEIC ADPKKKWVQD ATKHLQKLQ TPKP
Accession Number	P97545
Purity	>96% by SDS-PAGE and HPLC analyses
Biological Activity	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using purified eosinophils is in a concentration of 100-1000 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.