

Growth Factor Data Sheet

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CCL11 is a chemokine containing four conserved cysteine residues, of which the first two are adjacent. It is expressed in dermal fibroblasts. Expression of CCL11 is induced by IL1A and TNFA and inhibited by IFNG. It is strongly and selectively chemotactic for eosinophils and induces a calcium flux response in eosinophils; thus it is involved in a variety of eosinophilic inflammatory diseases. CCL11 is a ligand for CCR1, CCR2, CCR3, CCR5, and ACKR2 (D6).

Catalog Number	2140-11
Product Name	CCL11, Human Recombinant Human 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	GPASVPTTCC FNLANRKIPL QRLESYRRIT SGKCPQKAVI FKTKLAKDIC ADPKKKWVQD SMKYLDQKSP TPKP
Accession Number	P51671
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 peripheral blood eosinophils is in a concentration of 0.1-10 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.