

CCL11

Recombinant Human Eotaxin/Chemokine Ligand 11

Catalog No.	CRE000A CRE000B CRE000C	Quantity:	5 µg 20 µg 1.0 mg
Alternate Names:	Eotaxin, Eotaxin-1, SCYA11		
GeneD:	6356		
Description:	<p>Recombinant human CCL11 is a single, non-glycosylated polypeptide chain containing 74 amino acids.</p> <p>Eotaxin/CCL11 is a potent eosinophil chemoattractant that was originally purified from bronchoalveolar lavage fluid of guinea pigs sensitized by aerosol challenge with ovalbumin. Human CCL11 cDNA encodes a 97 amino acid residue precursor protein from which the amino terminal 23 amino acid residues are cleaved to generate the 74 amino acid residue mature human CCL11. At the protein sequence level, mature human CCL11 is approximately 60% identical to mature mouse and guinea pig CCL11. Human CCL11 is chemotactic for eosinophils, but not mononuclear cells or neutrophils. The CC chemokine receptor 3 (CCR3) has now been identified to be a specific human CCL11 receptor. CCR3 has also been shown to serve as a cofactor for a restricted subset of primary HIV viruses and binding of CCL11 to CCR3 inhibited infection by the HIV isolates.</p>		
Source:	<i>E. coli</i>		
Molecular Weight:	8.3 kDa		
Formulation:	Lyophilized from a 0.2 µm sterile filtered solution in in 20 mM PB, pH 7.4 + 150 mM NaCl.		
Purity:	> 97% as determined by SDS-PAGE and HPLC analysis		
Endotoxin Level:	< 0.1 ng/µg of CCL11		
Biological Activity:	Fully biologically active when compared to standard. The ED ₅₀ determined by a chemotaxis bioassay using human peripheral blood eosinophils is less than 10 ng/ml.		
Specific Activity:	> 1.0 × 10 ⁵ IU/mg.		
Amino Acid Sequence:	GPASVPTTCC FNLANRKIPL QRLESYRRIT SGKCPQKAVI FKTKLAKDIC ADPKKKWVQD SMKYLDQKSP TPKP		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water or aqueous buffer to a concentration of 0.1-1.0 mg/ml. Further dilutions should be made in appropriate buffered solutions.		
Storage & Stability:	This lyophilized preparation is stable at 2-4°C, but should be kept desiccated at -20°C for long term storage. Upon reconstitution, the preparation is stable for up to one week at 2-4°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -80°C. Avoid repeated freeze/thaw cycles.		

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