

Recombinant Mouse CCL11/Eotaxin

Catalog # FL057

Product Specifications

Appearance	Sterile filtered White lyophilized (freeze-dried) powder.
Purity	> 97% by SDS-PAGE or HPLC.
Endotoxin	< 0.1 EU/μg of rMuEotaxin/CCL11 protein as determined by LAL method.
Expression System	Expressed in E. coli.
Species	Mouse
Tag	Tag free.
Activity	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using purified eosinophils is in a concentration range of 100-1000 ng/ml.
Formulation	Lyophilized from a 0.2 μm filtered concentrated solution in 20 mM PB, with 150 mM NaCl, pH 7.4.
Reconstitution	Before use this product, please read the direction below carefully. This vial must be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in a sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml. Stock solutions should be apportioned into working aliquots and stored at ≤ -20°C. Further dilutions should be made in appropriate buffered solutions.
Accession #	P48298 His24-Pro97
Amino acid sequence	HPGSIPTSCCFIMTSKKIPNTLLKSYKRITNNRCTLKAIIVFKTRLGKEICADPKKKWVQDATKHLQKLQTPKP
Molecular weight	Approximately 8.4 kDa, a single non-glycosylated polypeptide chain containing 74 amino acids.
Synonyms	Small-inducible Cytokine A11
Stability & Storage	Shipped on wet ice. For long term storage, the product should be stored ≤ -20°C. Please avoid repeated freeze-thaw cycles after reconstitution. 36 months from date of receipt, -20 to -70°C as supplied. 1 month, 2 to 8°C under sterile conditions after reconstitution. 3 months, -20 to -70°C under sterile conditions after reconstitution.
Precautions	Recombinant Mouse CCL11/Eotaxin is for research use only and not for use in diagnostic or therapeutic procedures.

Background

Mouse CCL11 is belonging to the CC chemokine family. CCL11 was first purified from bronchoalveolar lavage fluid of guinea pigs. It was a strong and specific eosinophil chemoattractant in vitro. It can directly chemotactic for eosinophils, but not for monocytes or neutrophils. Mouse CCL11 is approximately 63% identical at the amino acid level to human CCL11. In addition, CCL11 also shows about 60% amino acid sequence identity to human MCPs. CCR3 has been identified to be a specific CCL11 receptor. Recombinant Mouse Eotaxin/CCL11 is an 8.4kDa protein containing 74 amino acid residues.

