

Eotaxin Mouse Recombinant (CCL11)

Item Number	rAP-0139
Synonyms	Small inducible cytokine A11, CCL11, Eosinophil chemotactic protein, chemokine (C-C motif) ligand 11, SCYA11.
Description	Eotaxin Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 74 amino acids and having a molecular mass of 8403.2 Dalton. The CCL11 is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P48298
Amino Acid Sequence	The sequence of the first five N-terminal amino acids was determined and was found to be His-Pro-Gly-Ser-Ile.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Eotaxin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CCL11 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Formulation and Purity	Lyophilized from a concentrated (1mg/ml) solution in water containing no additives. Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Eotaxin in sterile 18MΩ-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The Biological activity was determined by measuring the dose dependent phosphorylation of ERK1 and ERK2 in CCR3 transfected 293 cells. Significant ERK phosphorylation is observed with >100 ng/ml (corresponding to a Specific Activity of 10,000IU/mg) of
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**