
Product Data Sheet

Product Name: Eotaxin Rat
 Cat. No.: GP21092
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Small inducible cytokine A11; CCL11; Eosinophil chemotactic protein; chemokine (C-C motif) ligand 11; SCYA11.		
Amino Acid Sequence	HPGSIPTSCC FTMTSKKIPN TLLKSYKRIT NNRCTLKAIV FKTKLGKEICADPKKKWVQD ATKHLDQKLQ TPKP.		
Solubility	It is recommended to reconstitute the lyophilized Eotaxin in sterile 18M-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	Filtered (0.2µm) and lyophilized from a concentrated (1mg/ml) solution in in 16 ⁺ PBS, pH7.4.		

Introduction

Chemokine (C-C motif) ligand 11 (CCL11) is a small cytokine belonging to the CC chemokine family that is also known as eotaxin. CCL11 selectively recruits eosinophils by inducing their chemotaxis, and therefore, is implicated in allergic responses. The effects of CCL11 are mediated by its binding to a G-protein-linked receptor known as a chemokine receptor. Chemokine receptors for which CCL11 is a ligand include CCR2, CCR3 and CCR5. The gene for human CCL11 (scya11) is encoded on three exons and is located on chromosome 17.

Biological Activity

Determined by its ability to chemoattract purified blood eosinophils using a concentration range of 0.1-1.0 µg/ml, corresponding to a Specific Activity of 10-100IU/mg.

Stability

Caution: Product has not been fully validated for medical applications. For research use only.

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Lyophilized Eotaxin although stable at room temperature for 3 weeks, should be stored desiccated below -18C. Upon reconstitution CCL11 should be stored at 4C between 2-7 days and for future use below -18C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Background

Eotaxin Rat Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 74 amino acids and having a molecular mass of 8.4kDa. The CCL11 is purified by proprietary chromatographic techniques.

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