
Product Data Sheet

Product Name: Eotaxin Rhesus Macaque
 Cat. No.: GP21093
 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; MGC22554.		
Amino Acid Sequence	GPDSVATTCC FTLTNKKIPL QRLESYRRII SGKCPQKAVI FKTKLAKDIC ADPKKKWVQD SMKYLDRKSP TPKP		
Solubility	It is recommended to reconstitute the lyophilized Eotaxin Recombinant in sterile distilled H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	The Eotaxin was lyophilized from a 0.2µm filtered concentrated solution in 26 ⁺ PBS, pH 7.0.		

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

Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human peripheral blood eosinophils is in a concentration range of 0.1-10.0 ng/ml corresponding to a specific activity of 1.0 6⁺ 10⁵ - 1.0 6⁺ 10⁷ IU/mg.

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

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Stability

Lyophilized Eotaxin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution Eotaxin 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.

Background

Recombinant Eotaxin Rhesus Macaque produced in E.coli cells is a non-glycosylated, homodimeric protein containing 74 amino acid chain and having a molecular mass of 8.4kDa. The Eotaxin is purified by proprietary chromatographic techniques.

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