
Product Data Sheet

Product Name: Eotaxin 3 Human
 Cat. No.: GP21097
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	C-C motif chemokine 26; Small-inducible cytokine A26; Eotaxin-3; Macrophage inflammatory protein 4-alpha; MIP-4-alpha; Thymic stroma chemokine-1; TSC-1; CC chemokine IMAC; CCL26; SCYA26; IMAC; MIP-4a; MGC126714; MIP-4alpha.		
Amino Acid Sequence	MTRGSDISKTC CFQYSHKPL PWTWVRSYEF TSNCSQRAV IFTTKRGKKV CTHPRKKWVQ KYISLLKTPK QL.		
Formulation	The Eotaxin-3 solution contains Phosphate Buffered Saline pH7.4 and 10% glycerol.		

Introduction

Eotaxin-3 (CCL26) is a small cytokine that belongs to the CC chemokine family also known as TARC (thymus and activation regulated chemokine). CCL26 is major eotaxin produced and released by alveolar epithelial cells which is involved in autoregulation of CCR3 receptors and other eotaxins. Eotaxin-3 is involved in immunoregulatory and inflammatory processes. Eotaxin-3 specifically binds and stimulates chemotaxis in T cells and elicits its effects by interacting with the chemokine receptor CCR4. CCL26 exhibits chemotactic activity for normal peripheral blood eosinophils and basophils. Eotaxin-3 may play a part in the eosinophil accumulation in atopic diseases. Eotaxin-3 is overexpressed in eosinophilic esophagitis, and the expression level correlates with disease severity. Eotaxin-3 is expressed constitutively in thymus, but only briefly in phytohemagglutinin-stimulated peripheral blood mononuclear cells. CCL26 is one of two Cys-Cys (CC) cytokine genes clustered on the q arm of chromosome 7.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

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

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periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

Eotaxin-3 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 72 amino acids (24-94 a.a.) and having a total molecular mass of 8.5kDa. Eotaxin-3 is purified by proprietary chromatographic techniques.

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