9051 Mira Mesa Blvd, #910094
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Eotaxin 2 Human

Eotaxin-2 Human Recombinant (CCL24)
CHK0030

Product Overview

Name	Eotaxin 2 Human
Description	
Eotaxin-2 Human Recombinant (CCL24)	
Accession (Primary)	O00175
Synonyms	
C-C motif chemokine 24, Small-inducible cytokine A24, Myeloid progenitor inhibitory factor 2, CK-beta-6, Eosinophil chemotactic protein 2, Eotaxin-2, CCL24, Ckb-6, MPIF2, MPIF-2, SCYA24, Eotaxin2, CCL-24.	
Introduction	
Eotaxin-2, also called MPIF2 & Ckb6, is a novel CC chemokine produced by activated monocytes and T lymphocytes. Eotaxin-2 selectively chemoattracts cells expressing CCR3 including eosinophils, basophils, Th2 T cells, mast cells, and certain subsets of dendritic cells. Furthermore, Eotaxin-2 inhibits the proliferation of multipotential hematopoietic progenitor cells. The mature protein, which includes C-terminal truncation, contains 78 amino acids (92 amino acids for the mouse homolog, without C-terminal truncation). CCL24 functions as a chemotactic chemokine for resting t-lymphocytes, and eosinophils. CCL24 has lower chemotactic activity for neutrophils but none for monocytes and activated lymphocytes. CCL24 is a strong suppressor of colony formation by a multipotential hematopoietic progenitor cell line and binds to CCR3.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
The CCL24 protein was lyophilized from a concentrated (1mg/ml) sterile solution containing 20mM PBS pH-7.4 and 0.15M sodium chloride.	
Stability	
Lyophilized Eotaxin-2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CCL24 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.	
Purity	

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Greater than 97.0% as determined by(a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Amino acid sequence

VVIPSPCCMFFVSKRIPENRVVSYQLSSRSTCLKGGVIFTTKKGQQFCG DPKQEWV

QRYMKNLDAKQKKASPRARAVA.

Biological Activity

The activity is determined by the chemoattract of human PBE (peripheral blood eosinophils) at a concentration between 50-100 ng/ml corresponding to a Specific Activity of 10,000-20,000IU/mg.

Solubility

It is recommended to reconstitute the lyophilized CCL24 Human Recombinant in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

Eotaxin 2 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O00175)