
Product Data Sheet

Product Name: Eotaxin 2 Human

Cat. No.: GP21094

Batch No.: 1

Product Data

Purity >98% Source Escherichia Coli.

Physical Appearance solid Shipping Condition Shipped at Room temp.

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.

Amino Acid Sequence WVIPSPCCMFFVSKRIPENRVVSYQLSSRSTCLKGGVIFTTKKGQQFCGDPKQEWV
QRYMKNLDAKQKKASPRARAVA.

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

Formulation The CCL24 protein was lyophilized from a concentrated (1mg/ml) sterile solution containing 20mM PBS pH-7.4 and 0.15M sodium chloride.

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.

Biological Activity

The activity is determined by the chemoattract of human PBE (peripheral blood

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eosinophils) at a concentration between 50-100 ng/ml corresponding to a Specific Activity of 10,000-20,000IU/mg.

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.

Background

CCL24 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 78 amino acids and having a molecular mass of 8.8 kDa. The CCL24 is purified by proprietary chromatographic techniques.

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