
Product Data Sheet

Product Name: Eotaxin 2 Rat
 Cat. No.: GP21096
 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	VTIPSSCCVT FISKKIPVNR VISYQLANGS ICPKAGVIFI TKKGHKICTD PKLPWVQKHI KNLDAKRNQP SEGAKALGPK FVIQKLRGNS TKV.		
Solubility	It is recommended to reconstitute the lyophilized CCL24Rat Recombinant in sterile 18M-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	Lyophilized from a 0.2µm filtered concentrated solution in 16 ^L PBS, pH 7.4.		

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

Caution: Product has not been fully validated for medical applications. For research use only.
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Determined by its ability to chemoattract murine lymphocytes using a concentration range of 10-100ng/ml corresponding to a Specific Activity of 10,000-100,000IU/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 Rat Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 93 amino acids and having a molecular mass of 10.2kDa. The CCL24 is purified by proprietary chromatographic techniques.

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