9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

Eotaxin 2 Rat

Eotaxin-2 Rat Recombinant (CCL24)
CHK0032

Product Overview

Name	Eotaxin 2 Rat
Description	
Eotaxin-2 Rat Recombinant (CCL24)	
Accession (Primary)	Q5PPP2
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	
Lyophilized from a 0.2 μm filtered concentrated solution in 1×PBS, pH 7.4.	
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	
Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	

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Amino acid sequence

VTIPSSCCVT FISKKIPVNR VISYQLANGS ICPKAGVIFI TKKGHKICTD PKLPWVQKHI KNLDAKRNQP SEGAKALGPK FVIQKLRGNS TKV.

Biological Activity

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.

Solubility

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

Precautions

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

Target Information: (Q5PPP2)