



Product Datasheet

Product Name	Recombinant Human Eotaxin-2 (CCL24)
Cata No	CB501250
Source	<i>Escherichia Coli.</i>
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.

Description

Eotaxin-2, also called MPIF2 & Ck β 6, 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.

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.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Biological Activity

The activity is determined by the chemoattract of human PBE (peripheral blood eosinophils) at a concentration between 50-100 ng/ml.

Purity

Greater than 97.0% as determined by:

- (a) Analysis by RP-HPLC.
- (c) Analysis by SDS-PAGE.

Formulation

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

Reconstitution

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

Stability

Lyophilized Eotaxin-2 although stable at room temperature for 3 weeks, should be stored desiccated below -18 $^{\circ}$ C. Upon reconstitution CCL24 should be stored at 4 $^{\circ}$ C between 2-7 days and for future use below -18 $^{\circ}$ C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

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California Bioscience

83103 Avenue 48, Ste.1B #204
Coachella, CA 92236 USA
Phone : +1.6268339877
Email : info@cali-bio.com

Please prevent freeze-thaw cycles.

Sequence

VVIPSPCCMFFVSKRIPENRVVSYQLSSRSTCLKG

GVIFTTKKGQQFCG **Product Datasheet**
DPKQEWV QRYMKNLDAKQKKASPRARAVA.

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