

Recombinant Human Eotaxin-2 (CCL24)

Synonyms: C-C motif chemokine 24, Small-inducible cytokine A24 (SCYA24), Myeloid progenitor inhibitory factor 2 (MPIF2), CK-beta-6 (Ckb-6), Eosinophil chemotactic protein 2

Introduction: Eotaxin-2 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). Eotaxin-2 functions as a chemotactic chemokine for resting T-lymphocytes and eosinophils. It has lower chemotactic activity for neutrophils but none for monocytes and activated lymphocytes. Eotaxin-2 is a strong suppressor of colony formation by a multipotential hematopoietic progenitor cell line and binds to CCR3.

Description: Recombinant human Eotaxin-2 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 Eotaxin-2 is purified by proprietary chromatographic techniques.

Source: *Escherichia Coli*

Physical Appearance: Sterile filtered white lyophilized (freeze-dried) powder.

Formulation: Lyophilized from a concentrated sterile solution containing 20mM PBS pH-7.4 and 0.15M NaCl. The samples of 1µg contain Trehalose 5% (w/vol) for better recovery.

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.
- (c) 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.

This material is offered for **research use only**. Not for use in human. For in vitro use only. ImmunoTools will not be held responsible for patent infringement or other violations that may occur with the use of our products.

<i>small</i>	5 µg	Cat.N°	11344170
<i>medium</i>	20 µg	Cat.N°	11344174

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