

## Eotaxin 2 Rat

**Description:** 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.

**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.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered White lyophilized (freeze-dried) powder.

**Amino Acid Sequence:** VTIPSSCCVT FISKKIPVNR VISYQLANGS ICPKAGVIFI TTKGHKICTD PKLPWVQKHI KNLDKRNQP SEGAKALGPK FVIQKLRGNS TKV.

**Purity:** Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

**Formulation:**

Lyophilized from a 0.2

**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.

**Usage:**

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**Solubility:**

It is recommended to reconstitute the lyophilized CCL24 Rat Recombinant in sterile 18M-cm H2O not less than 100

**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:**

Determined by its ability to chemoattract murine lymphocytes using a concentration range of

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10-100ng/ml corresponding to a Specific Activity of 10,000-100,000IU/mg.



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