

# Recombinant Human Chemokine (C-C Motif) Ligand 24

Human, Recombinant (CCL24)

Expressed in *E. coli*

Cat. No. CRP08110

Lot. No. (See product label)

## PRODUCT INFORMATION

**Description:** Eotaxin, also named MPIF-2 and Ckβ6, is a novel CC chemokine recently identified. It is 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. Additionally, Eotaxin-2 inhibits the proliferation of multipotential hematopoietic progenitor cells. The mature protein, which also includes a C-terminal truncation, contains 78 amino acid residues (92 a.a. residues for the murine homolog, without C-terminal truncation).

**Amino-Acid Sequence:** 78aa, non-glycosylated

**M. W. :** 8.8 kDa

**Recombinant:** Expressed in *E. coli*

**Purity:** >97% by SDS-PAGE and HPLC analyses.

**Formulation:** Lyophilized from a 0.2mm filtered concentrated (1.0mg/ml) solution in 20mM PB, pH 7.4, 150mM NaCl.

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

**Endotoxin:** Less than 1EU/mg of rHuEotaxin-2/CCL24 as determined by LAL method.

**Reconstitution:** We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml. Stock solutions should be apportioned into working aliquots and stored at ≤-20°C. Further dilutions should be made in appropriate buffered solutions.

**Storage:** This lyophilized preparation is stable for several weeks at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C. Avoid repeated freeze/thaw cycles.

## GENE INFORMATION

**Gene Name:** [CCL24](#)

**Synonyms:** Ckb-6; MPIF2; MPIF-2; SCYA24; chemokine (C-C motif) ligand 24; eotaxin-2; MPIF2; CCL24\_HUMAN; C-C motif chemokine 24 [Precursor]; Small-inducible cytokine A24; Myeloid progenitor inhibitory factor 2; CK-beta-6; Eosinophil chemotactic protein 2; Eotaxin-2; CCL24

**UniProt ID:** O00175

**mRNA Refseq:** [NM\\_002991](#)

**Protein Refseq:** [NP\\_002982](#)

**MIM:** [602495](#)

**GeneID:** [6369](#)

**Chromosome Location:** 7q11.23

**Pathway:** Cytokine-cytokine receptor interaction.

**Function:** chemokine activity

## REFERENCES

- 1.White et al. Cloning and functional characterization of a novel human CC chemokine that binds to the CCR3 receptor and activates human eosinophils. *J. Leukoc. Biol.* 62:667-675, 1997.
- 2.Patel et al. Molecular and functional characterization of two novel human C-C chemokines as inhibitors of two distinct classes of myeloid progenitors. *J. Exp. Med.* 185: 1163-1172, 1997.
- 3.Hillier et al. The DNA sequence of human chromosome 7. *Nature* 424:157-164, 2003.

**FOR RESEARCH USE ONLY**

Creative Biolabs All rights reserved.

45-16 Ramsey Road Shirley, NY 11967, USA  
Technical Support: T: 631-871-5806 · F: 631-207-8356  
E-mail: [info@creative-biolabs.com](mailto:info@creative-biolabs.com)  
[www.creative-biolabs.com](http://www.creative-biolabs.com)