SPECIFICATION SHEET
Rev 082710A

Eotaxin-2

Human, Recombinant (rHuEotaxin-2/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
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

21 Brookhaven BLVD ·Port Jefferson Station, NY 11776, USA
Technical Support: T: 631-871-5806 ·F: 631-614-7828
E-mail: info@creative-biolabs.com
www.creative-biolabs.com