



Recombinant Human Eotaxin-2 (CCL24)

20170112BB



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	100-013
Size:	20 µg
Lot. No.:	According to product label

Sequence

VVIPSPCCMF FVSKRIPENR VVSYQLSSRS TCLKGGVIFT
TKKGQQFCGD PKQEWVQRYM KNLDAKQKKA SPRARAVA

Database References

Protein RefSeq:	NP_002982.2
Uniprot ID:	O00175
mRNA RefSeq:	NM_002991

Scientific Background

Gene-ID (NCBI):	6369
Synonyms:	CCL24; Ckb-6; MPIF2; MPIF-2; SCYA24

Eotaxin-2 is a CC chemokine that signals through the CCR3 receptor. It is produced by activated monocytes and T lymphocytes. Eotaxin-2 selectively chemo attracts cells expressing CCR3 including eosinophils, basophils, Th2 T cells, mast cells, and certain subsets of dendritic cells. Additionally, Eotaxin-2 inhibits the proliferation of multi potential 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). Recombinant human Eotaxin-2 is an 8.8 kDa protein containing 78 amino acid residues.

Product Specifications

Expressed in	E. coli
Purity	> 98% by SDS-PAGE & HPLC analyses
Endotoxin level	< 0.1 ng /µg of protein (<1EU/µg).
Formulation	lyophilized
Length (aa):	78
MW:	8.8 kDa

Stability: The lyophilized protein is stable at room temperature for 1 month and at 4°C for 6 months. Reconstituted working aliquots are stable for 1 week at 2°C to 8°C and for 3 months at -20°C to -80°C.

Reconstitution: Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. *Do not vortex.* This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.



AVOID REPEATED FREEZE AND THAW CYCLES!

Biological Activity: Determined by its ability to chemoattract human peripheral blood eosinophils using a concentration of 50-100 ng/ml.