

# Eotaxin-2/CCL24

Catalog # PVGS1124

## Product Information

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<b>Primary Accession Species</b>	<a href="#">O00175</a> Human
<b>Sequence</b>	Val27-Ala104
<b>Purity</b>	> 97% as analyzed by SDS-PAGE > 97% as analyzed by HPLC
<b>Endotoxin Level Biological Activity</b>	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human peripheral blood eosinophils is in a concentration of 50.0-100.0 ng/ml.
<b>Expression System</b>	E. coli
<b>Theoretical Molecular Weight</b>	8.8 kDa
<b>Formulation</b>	Lyophilized from a 0.2 $\mu$ m filtered solution in 20 mM PB, pH 7.4, 150 mM NaCl.
<b>Reconstitution</b>	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml.
<b>Storage &amp; Stability</b>	Upon receiving, this product remains stable for up to 6 months at -70°C or -20°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. Avoid repeated freeze-thaw cycles.

## Additional Information

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<b>Gene ID</b>	6369
<b>Other Names</b>	C-C motif chemokine 24, CK-beta-6, Eosinophil chemotactic protein 2 {ECO:0000303 Ref.6}, Eotaxin-2 {ECO:0000303 Ref.6}, Myeloid progenitor inhibitory factor 2, MPIF-2, Small-inducible cytokine A24, CCL24 ( <a href="#">HGNC:10623</a> )
<b>Target Background</b>	Eotaxin-2/CCL24, also named MPIF-2 and Ck $\beta$ 6, 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 mouse homolog, without C-terminal truncation).

## Protein Information

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<b>Name</b>	CCL24 ( <a href="#">HGNC:10623</a> )
<b>Function</b>	Chemotactic for resting T-lymphocytes, and eosinophils (PubMed: <a href="#">9104803</a> , PubMed: <a href="#">9365122</a> ). Has lower chemotactic activity for neutrophils but none for monocytes and activated lymphocytes (PubMed: <a href="#">9104803</a> , PubMed: <a href="#">9365122</a> ). Is a strong suppressor of colony formation by a multipotential hematopoietic progenitor cell line (PubMed: <a href="#">9104803</a> , PubMed: <a href="#">9365122</a> ). Binds to CCR3 (PubMed: <a href="#">9104803</a> , PubMed: <a href="#">9365122</a> ).
<b>Cellular Location</b>	Secreted
<b>Tissue Location</b>	Activated monocytes and activated T lymphocytes.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.