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Eotaxin-2/CCL24

Catalog # PVGS1124

Specification

Eotaxin-2/CCL24 - Product Information

Primary Accession O00175

Species
Human

Sequence
Val27-Ala104

Purity
> 97% as analyzed by SDS-PAGE
> 97% as analyzed by HPLC

Endotoxin Level
< 1 EU/ µg of protein by LAL method

Biological Activity
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.

Expression System
E. coli

Theoretical Molecular Weight
8.8 kDa

Formulation **Lyophilized from a 0.2 µm filtered solution in 20 mM PB, pH 7.4, 150 mM NaCl.**

Reconstitution
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.

Storage & Stability
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.

Eotaxin-2/CCL24 - Additional Information

Gene ID 6369

Other Names
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="http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=10623" target="_blank">HGNC:10623)

Target Background
Eotaxin-2/CCL24, 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 mouse homolog, without C-terminal truncation).

Eotaxin-2/CCL24 - Protein Information

Name CCL24 (HGNC:10623)

Function
Chemotactic for resting T-lymphocytes, and eosinophils (PubMed:9104803, PubMed:9365122). Has lower chemotactic activity for neutrophils but none for monocytes and activated lymphocytes (PubMed:9104803, PubMed:9365122). Is a strong suppressor of colony formation by a multipotential hematopoietic progenitor cell line (PubMed:9104803, PubMed:9365122). Binds to CCR3 (PubMed:9104803, PubMed:9365122).

Cellular Location
Secreted

Tissue Location
Activated monocytes and activated T lymphocytes.

Eotaxin-2/CCL24 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Eotaxin-2/CCL24 - Images