

Human CCL24 / Eotaxin-2 / MPIF-2 Protein (His Tag)

Catalog Number: 10901-H08B



Sino Biological
Biological Solution Specialist

General Information

Gene Name Synonym:

Ckb-6; MPIF-2; MPIF2; SCYA24

Protein Construction:

A DNA sequence encoding the human CCL24 (O00175) (Met 1-Cys 119) was fused with a polyhistidine tag at the C-terminus.

Source: Human

Expression Host: Baculovirus-Insect Cells

QC Testing

Purity: > 90 % as determined by SDS-PAGE

Endotoxin:

< 1.0 EU per µg of the protein as determined by the LAL method

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Val 27

Molecular Mass:

The secreted recombinant human CCL24 consists of 103 amino acids and predicts a molecular mass of 11.8 kDa. It migrates as an approximately 19 kDa band in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4, 10% gly

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

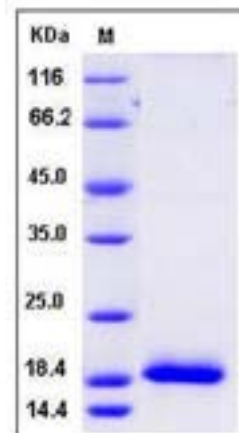
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

CCL24, also known as Eotaxin-2 and MPIF-2, belongs to the intercrine beta (chemokine CC) family. CCL24 gene belongs to the subfamily of small cytokine CC genes. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. CCL24 displays chemotactic activity on resting T lymphocytes, a minimal activity on neutrophils, and is negative on monocytes and activated T lymphocytes. CCL24 is also a strong suppressor of colony formation by a multipotential hematopoietic progenitor cell line. CCL24 is chemotactic for resting T-lymphocytes, and eosinophils. It has lower chemotactic activity for neutrophils but none for monocytes and activated lymphocytes. It is a strong suppressor of colony formation by a multipotential hematopoietic progenitor cell line. Eotaxin-2 interacts with chemokine receptor CCR3 to induce chemotaxis in eosinophils. Elevated level of Eotaxin-2 has been seen in patients with aspirin-exacerbated respiratory disease.

References

1. Manousou P, *et al.* (2010) Increased expression of chemokine receptor CCR3 and its ligands in ulcerative colitis: the role of colonic epithelial cells in *in vitro* studies. *Clin Exp Immunol.* 162 (2): 337-47.
2. Owczarek W, *et al.* (2010) Analysis of eotaxin 1/CCL11, eotaxin 2/CCL24 and eotaxin 3/CCL26 expression in lesional and non-lesional skin of patients with atopic dermatitis. *Cytokine.* 50 (2): 181-5.
3. Luesink M, *et al.* (2009) Chemokine induction by all-trans retinoic acid and arsenic trioxide in acute promyelocytic leukemia: triggering the differentiation syndrome. *Blood.* 114 (27): 5512-21.

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