

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

Catalog Number: 10901-H08B



Sino Biological Inc.

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: > 87 % 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 and mannitol are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

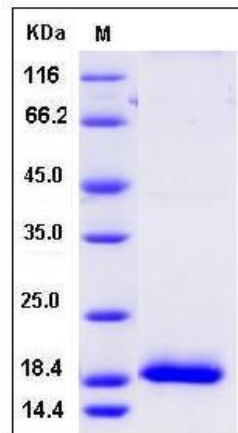
Usage Guide

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.

SDS-PAGE:



Reconstitution:

Detailed reconstitution instructions are sent along with the products.

Protein Description

CCL24, also known as Eotaxin-2 and MPIF-2, is a member of the CC chemokine family. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. It is produced by activated monocytes and T lymphocytes. CCL24 is selectively chemoattracts for the following cells: eosinophils, basophils, Th2 T cells, mast cells, and certain subsets of dendritic cells. It is strongly chemotactic for resting T lymphocytes and slightly chemotactic for neutrophils. CCL24 is a strong suppressor of colony formation by a multipotential hematopoietic progenitor cell line and binds to CCR3. Eotaxin-2 also inhibits the proliferation of multipotential hematopoietic progenitor cells. Eotaxin-2 has been shown that elevated levels of eotaxin-2 has been seen in patients with aspirin-exacerbated respiratory disease (AERD), such as asthma. People with lower plasma levels of eotaxin-2 have not been showing tendency to develop aspirin inducible asthma.

References

1. Manousou P. et al., 2010, Clin Exp Immunol. 162 (2): 337-47.
2. Owczarek W. et al., 2010, Cytokine. 50 (2): 181-5.
3. Luesink M. et al., 2009, Blood. 114 (27): 5512-21.

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