

Synonym

C-C motif chemokine 24,CK-beta-6,Eosinophil chemotactic protein 2,Myeloid progenitor inhibitory factor 2,Small-inducible cytokine A24,Eotaxin-2,MPIF-2,SCYA24,MPIF2

Source

Human CCL24, His Tag(CC4-H52H1) is expressed from human 293 cells (HEK293). It contains AA Val 27 - Cys 119 (Accession # [O00175](#)).

Predicted N-terminus: Val 27

Molecular Characterization

CCL24 (Val 27 - Cys 119)

O00175

Poly-his

This protein carries a polyhistidine tag at the C-terminus

The protein has a calculated MW of 12.3 kDa. The protein migrates as 18-21 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Purity

>95% as determined by SDS-PAGE.

>90% as determined by SEC-HPLC.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

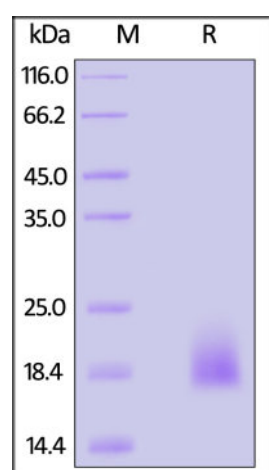
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

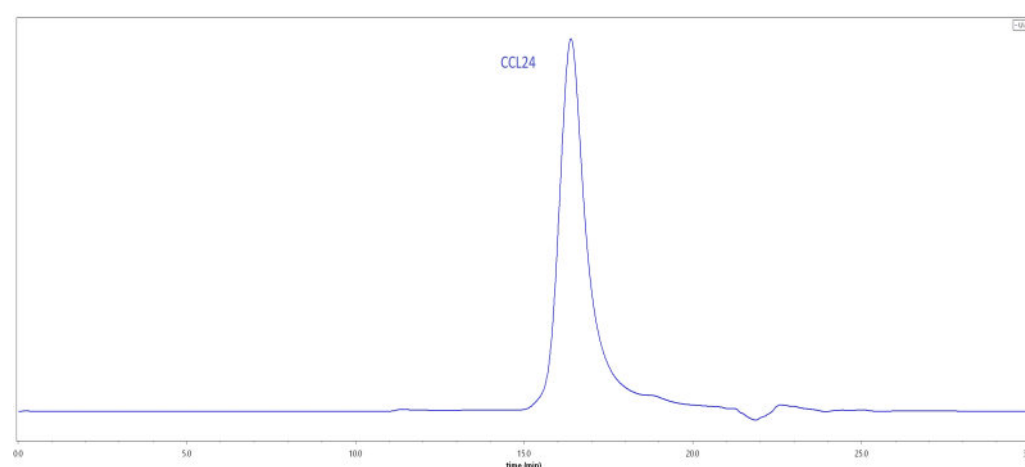
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Human CCL24, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

SEC-HPLC



The purity of Human CCL24, His Tag (Cat. No. CC4-H52H1) was greater than 90% as determined by SEC-HPLC.

Background

C-C motif chemokine ligand 24 (CCL24), also known as eotaxin2, belongs to CC chemokines like MCP-1, and it mainly chemoattracts eosinophils. CCL24 can promote the separation of eosinophils from endothelial cells and then combine with its sole ligand to promote eosinophils to enter the tissue. CCL24 was not originally found in eosinophils but was first isolated from monocytes. Latest, it was found that the expression of CCL24 in the bronchial epithelial cells of asthma

patients increased. CCL24 promotes immune cell trafficking and activation as well as profibrotic activities through the CCR3 receptor (C-C chemokine receptor type 3). Both CCL24 and CCR3 is involved in lung and skin inflammation and fibrosis.

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.