Human CCL19 / MIP-3 beta Protein, Tag Free (HPLC verified)

Catalog # CC9-H5215

Synonym

CCL19,MIP-3 beta,MIP-3-beta,ELC,MIP3B,SCYA19,EBI1 ligand chemokine

Source

Human CCL19, Tag Free(CC9-H5215) is expressed from human 293 cells (HEK293). It contains AA Gly 22 - Ser 98 (Accession # Q99731-1).
Predicted N-terminus: Gly 22

Molecular Characterization

CCL19(Gly 22 - Ser 98)
Q99731-1

This protein carries no "tag".

The protein has a calculated MW of 8.8 kDa. The protein migrates as 11-12 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 0.1 EU per μg by the LAL method / rFC method.

Purity

>90% as determined by SDS-PAGE.

>95% 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

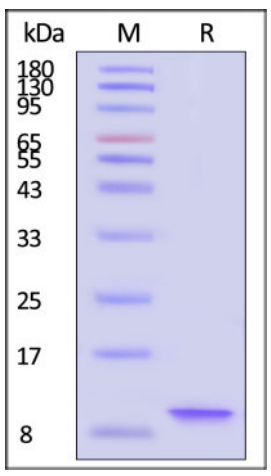
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

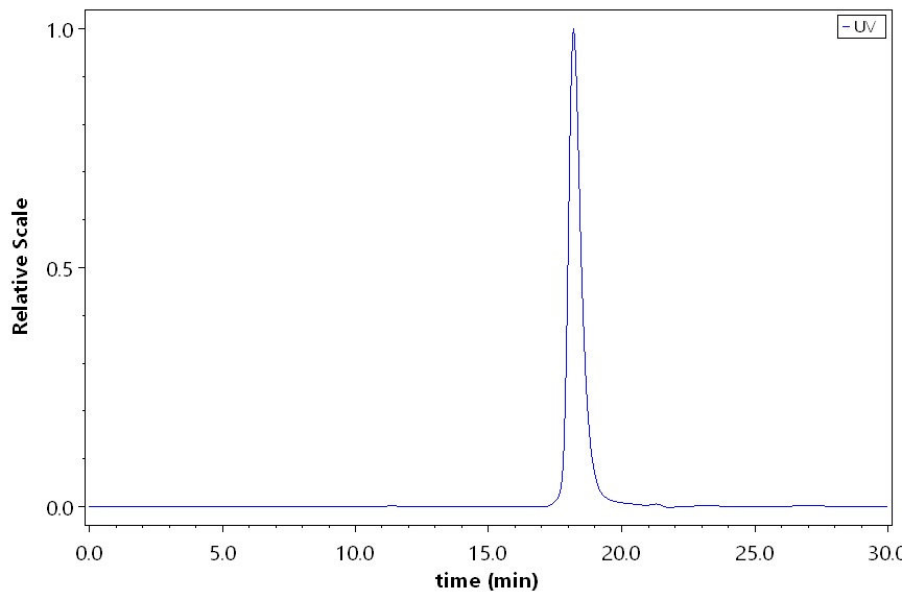
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Human CCL19, Tag Free on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With Star Ribbon Pre-stained Protein Marker).

SEC-HPLC



The purity of Human CCL19, Tag Free (Cat. No. CC9-H5215) was greater than 95% as determined by SEC-HPLC.

Background

Human CCL19 / MIP-3 beta Protein, Tag Free (HPLC verified)

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C-C motif chemokine 19(CCL19) is as known as CK beta-11, ELC, MIP3B and SCYA19. May play a role not only in inflammatory and immunological responses but also in normal lymphocyte recirculation and homing. May play an important role in trafficking of T-cells in thymus, and T-cell and B-cell migration to secondary lymphoid organs. Binds to chemokine receptor CCR7. Recombinant CCL19 shows potent chemotactic activity for T-cells and B-cells but not for granulocytes and monocytes. Binds to atypical chemokine receptor ACKR4 and mediates the recruitment of beta-arrestin (ARRB1/2) to ACKR4.