

**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 12 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

**Endotoxin**

Less than 0.1 EU per µg by the LAL 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.*

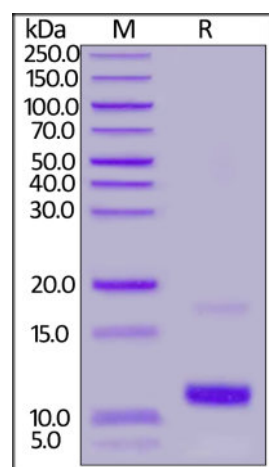
**Storage**

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

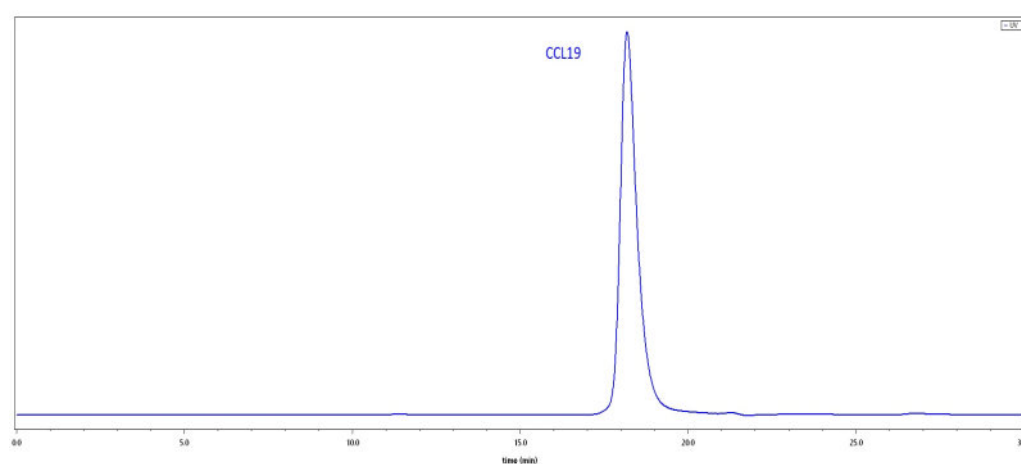
*Please avoid repeated freeze-thaw cycles.*

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 overnight with Coomassie Blue. The purity of the protein is greater than 90%.

**SEC-HPLC**

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

**Background**

C-C motif chemokine 19(CCL19) is also 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.

### Clinical and Translational Updates

Please contact us via [TechSupport@acrobiosystems.com](mailto:TechSupport@acrobiosystems.com) if you have any question on this product.