

Biotinylated Mouse IL-17A / CTLA-8 Protein, His,Avitag™ (MALS verified)

Catalog # ILA-M82Q3



Synonyms

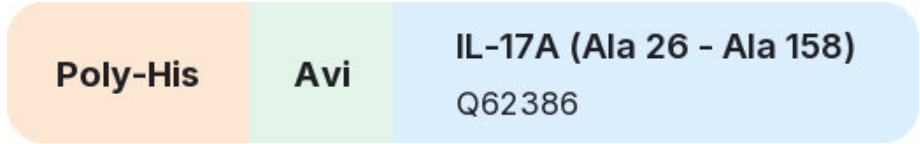
IL-17A, Interleukin-17A, CTLA-8, IL-17

Source

Biotinylated Mouse IL-17A Protein, His,Avitag (ILA-M82Q3) is expressed from human 293 cells (HEK293). It contains AA Ala 26 - Ala 158 (Accession # [Q62386](#)).

Predicted N-terminus: His

Molecular Characterization



This protein carries a polyhistidine tag at the N-terminus, followed by an Avi tag (Avitag™).

The protein has a calculated MW of 18.6 kDa. The protein migrates as 18-23 kDa and 25-26 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

The protein is designed as a dimer.

Labeling

Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.

Protein Ratio

0.7-1.0 as determined by the SABA assay / HABA assay / binding ELISA.

Purity

>95% as determined by SDS-PAGE.

>95% as determined by SEC-MALS.

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.

Shipping and Storage

This product is shipped at ambient temperature.

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

Please avoid repeated freeze-thaw cycles.

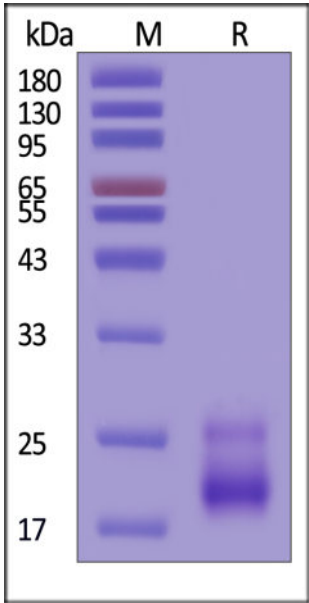
This product is stable after storage at:

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

ACRO Quality Management System

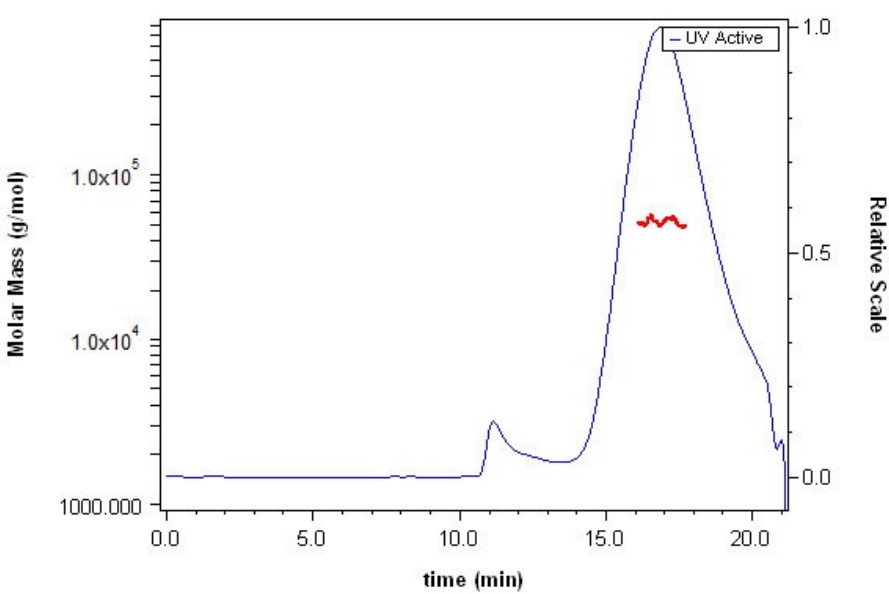
- [QMS\(ISO, GMP\)](#).
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE



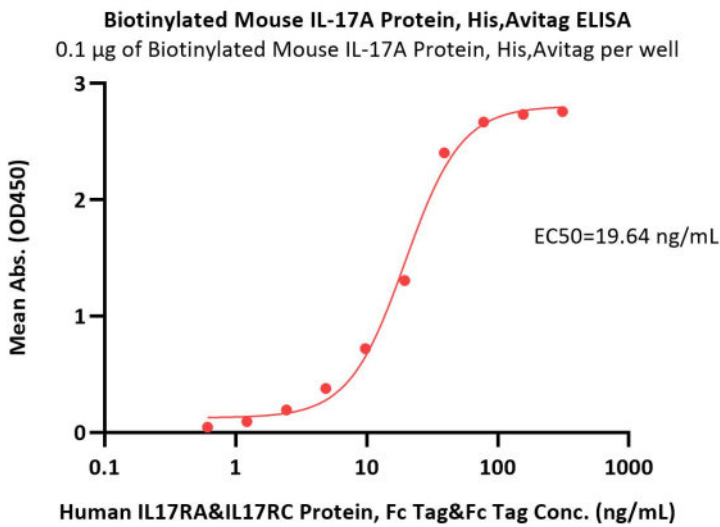
Biotinylated Mouse IL-17A Protein, His,Avitag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With [Star Ribbon Pre-stained Protein Marker](#)).

SEC-MALS



The purity of Biotinylated Mouse IL-17A Protein, His,Avitag (Cat. No. ILA-M82Q3) is more than 95% and the molecular weight of this protein is around 40-55 kDa verified by SEC-MALS.

Activity-ELISA



Immobilized Biotinylated Mouse IL-17A Protein, His,Avitag (Cat. No. ILA-M82Q3) at 1 µg/mL (100 µL/well) on streptavidin (Cat. No. STN-N5116) precoated (0.5 µg/well) plate can bind Human IL17RA&IL17RC Protein, Fc Tag&Fc Tag (Cat. No. ILC-H5257) with a linear range of 0.6-39 ng/mL (QC tested).

Background

Interleukin-17A (IL17A) is also known as cytotoxic T-lymphocyte-associated antigen 8 (CTLA8),which is a proinflammatory cytokine produced by activated T cells. IL17A can regulate the activities of NF-kappaB and mitogen-activated protein kinases. Also,IL17A can stimulate the expression of IL6 and cyclooxygenase-2 (PTGS2/COX-2), as well as enhance the production of nitric oxide (NO).Furthermore,IL17A has been found both in glycosylated and nonglycosylated forms. High levels of IL-17 are associated with several chronic inflammatory diseases including rheumatoid arthritis, psoriasis and multiple sclerosis.



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