

Cynomolgus IL-17A/CTLA-8 Protein



Cat. No.   ILA-CM417

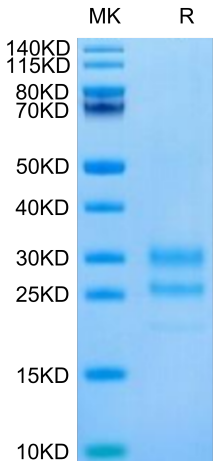
| Description      |  |
|------------------|--|
| Source           | Recombinant Cynomolgus IL-17A/CTLA-8 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.<br>It contains Gly24-Ala155. |
| Accession        | XP_005552816.1   |
| Molecular Weight | The protein has a predicted MW of 18.2 kDa. Due to glycosylation, the protein migrates to 26-32 kDa based on Tris-Bis PAGE result.             |
| Endotoxin        | Less than 1EU per µg by the LAL method.  |
| Purity           | > 95% as determined by Tris-Bis PAGE<br>> 92% as determined by HPLC  |

| Formulation and Storage |   |
|-------------------------|---|
| Formulation             | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.  |
| Reconstitution          | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.  |
| Storage                 | -20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

| Background   |  |
|--|--|
| Interleukin17A (IL17A), also known as CTLA8, is a 1520 kDa glycosylated cytokine that plays an important role in antimicrobial and chronic inflammation. The six IL17 cytokines (IL17AF) are encoded by separate genes but adopt a conserved cystine knot fold.IL-17A is a ligand for IL17RA and IL17RC. The heterodimer formed by IL17A and IL17F is a ligand for the heterodimeric complex formed by IL17RA and IL17RC. Involved in inducing stromal cells to produce proinflammatory and hematopoietic cytokines. |  |

Assay Data

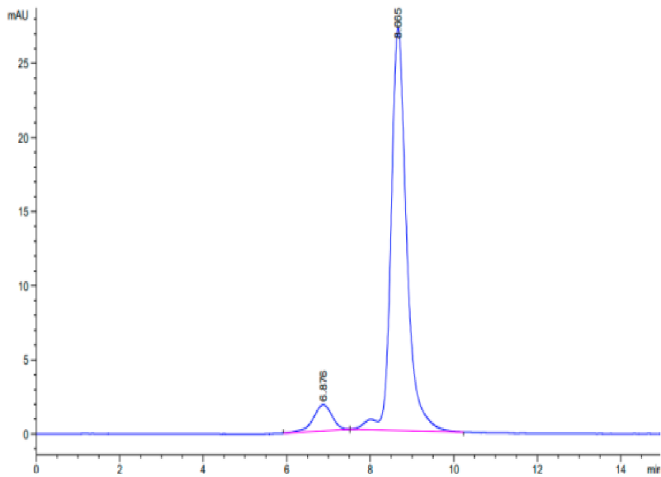
Tris-Bis PAGE



Cynomolgus IL-17A on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

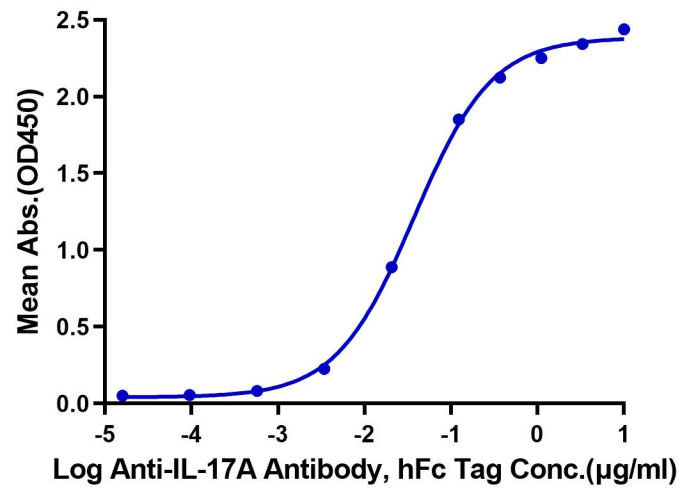
Assay Data



The purity of Cynomolgus IL-17A is greater than 92% as determined by SEC-HPLC.

ELISA Data

**Cynomolgus IL-17A, His Tag ELISA**  
0.1µg Cynomolgus IL-17A, His Tag Per Well



Immobilized Cynomolgus IL-17A, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Anti-IL-17A Antibody, hFc Tag with the EC50 of 31.4ng/ml determined by ELISA.