

Cynomolgus IL-17A&F Protein

Cat. No. IAF-CM117



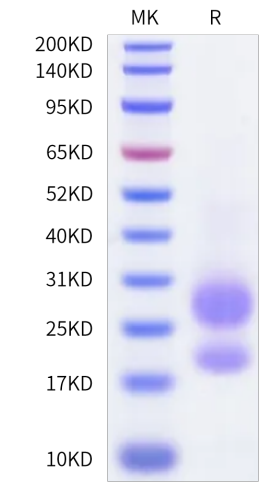
Description	
Source	Recombinant Cynomolgus IL-17A&F Protein is expressed as a heterodimer of IL-17A and IL-17F by co-expression in HEK293. Subunit IL-17A is fused with a Strep II tag at the N-terminus and subunit IL-17F is fused with a His tag at the N-terminus. It contains Gly24-Ala155 (IL-17A) & Arg31-Gln163 (IL-17F).
Accession	XP_005552816.3(IL-17A)&G7P4V0-1(IL-17F)
Molecular Weight	The protein has a predicted MW of 16.15 kDa (IL-17A) and 16.05 kDa (IL-17F). Due to glycosylation, the protein migrates to 18-25 kDa and 25-30 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage	
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months 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

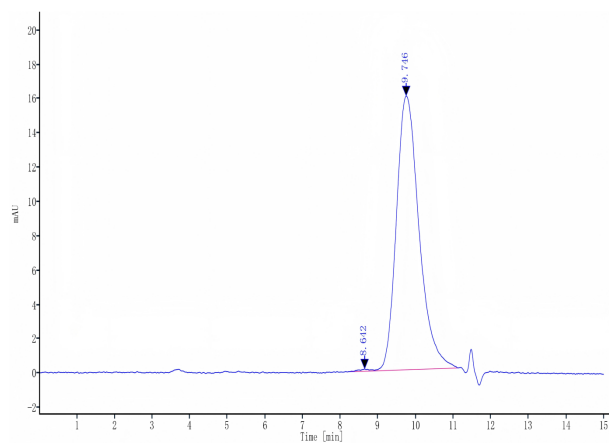
Bis-Tris PAGE



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

SEC-HPLC

Assay Data



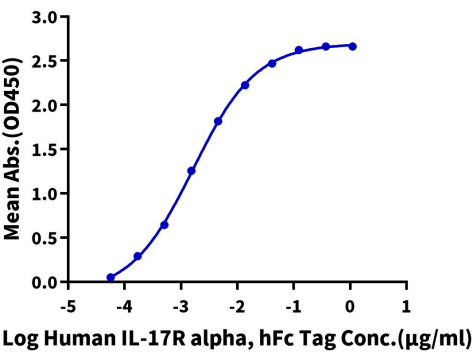
The purity of Cynomolgus IL-17A&F is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Cynomolgus IL-17A&F, His Tag ELISA

0.05µg Cynomolgus IL-17A&F, His Tag Per Well

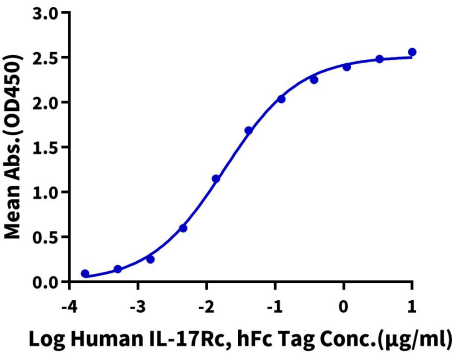


Immobilized Cynomolgus IL-17A&F, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Human IL-17R alpha, hFc Tag with the EC50 of 1.7ng/ml determined by ELISA.

ELISA Data

Cynomolgus IL-17A&F, His Tag ELISA

0.1µg Cynomolgus IL-17A&F, His Tag Per Well



Immobilized Cynomolgus IL-17A&F, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Human IL-17Rc, hFc Tag with the EC50 of 18.3ng/ml determined by ELISA.