

Biotinylated Human IL-17A&F Protein



Cat. No. ILF-HM420B

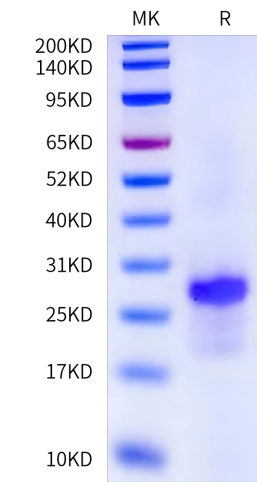
Description	
Source	Recombinant Biotinylated Human IL-17A&F Protein is expressed as a heterodimer of IL-17A and IL-17F by co-expression in HEK293. Subunit IL-17A is fused with a HA tag at the N-terminus and subunit IL-17F is fused with a His tag and a Avi tag at the N-terminus. It contains Gly24-Ala155 (IL-17A) and Arg31-Gln163 (IL-17F).
Accession	Q16552-1(IL-17A)&Q96PD4(IL-17F)
Molecular Weight	The protein has a predicted MW of 16.35 kDa (IL-17A) and 17.81 kDa (IL-17F). Due to glycosylation, the protein migrates to 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	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. 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.	

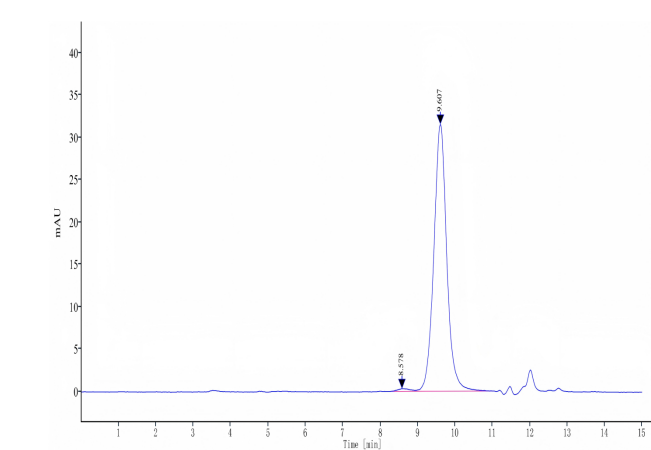
Assay Data

Bis-Tris PAGE



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

SEC-HPLC

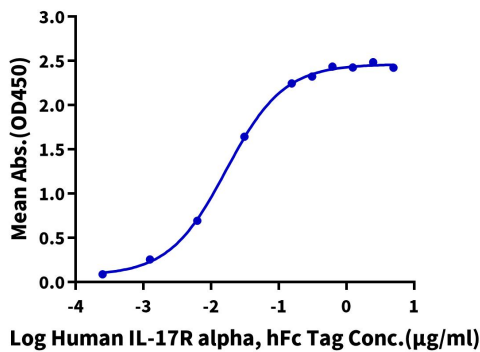


The purity of Biotinylated Human IL-17A&F is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

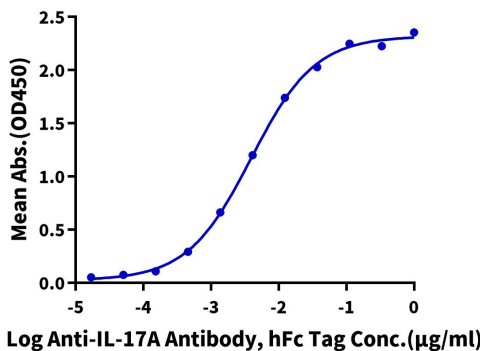
Biotinylated Human IL-17A&F, His Avi Tag ELISA
0.1µg Biotinylated Human IL-17A&F, His Avi Tag Per Well



Immobilized Biotinylated Human IL-17A&F, His Avi Tag at 1µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Human IL-17R alpha, hFc Tag (Cat. CD7-HM2RA) with the EC50 of 16.9ng/ml determined by ELISA.

ELISA Data

Biotinylated Human IL-17A&F, His Avi Tag ELISA
0.1µg Biotinylated Human IL-17A&F, His Avi Tag Per Well



Immobilized Biotinylated Human IL-17A&F, His Avi Tag at 1µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Anti-IL-17A Antibody, hFc Tag with the EC50 of 3.9ng/ml determined by ELISA.