

Biotinylated Mouse IL-17A&F Protein

Cat. No. IAF-MM117B

Description

Source	Recombinant Biotinylated Mouse 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 and a Avi tag at the C-terminus. It contains Ala26-Ala158 (IL-17A) and Arg29-Ala161 (IL-17F).
Accession	Q62386(IL-17A)&Q7TNI7-1(IL-17F)
Molecular Weight	The protein has a predicted MW of 16.01 kDa (IL-17A) and 15.98 kDa (IL-17F). Due to glycosylation, the protein migrates to 17-23 kDa and 30-35 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

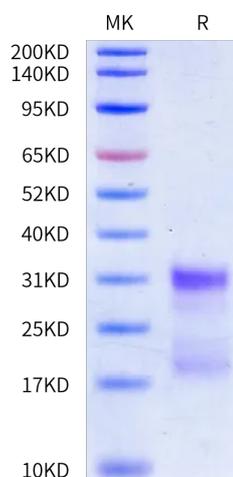
Formulation	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

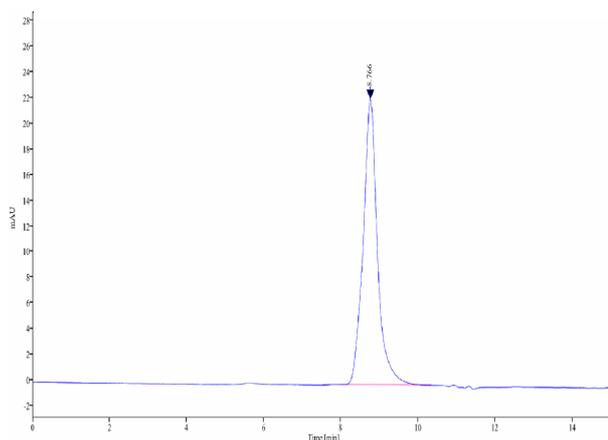
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



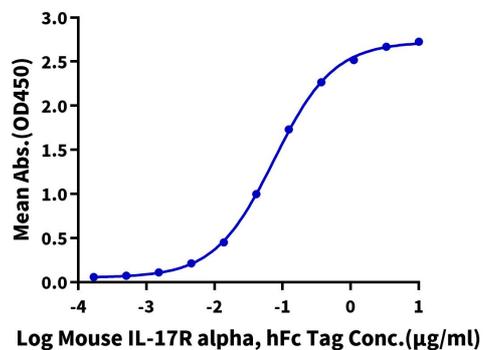
The purity of Biotinylated Mouse IL-17A&F is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Biotinylated Mouse IL-17A&F, His Tag ELISA

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



Immobilized Biotinylated Mouse IL-17A&F, His Tag at 1µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Mouse IL-17R alpha, hFc Tag (Cat. CD7-MM2RA) with the EC50 of 75.3ng/ml determined by ELISA.