

Biotinylated Mouse IL-17A&F Protein



Cat. No. IL7-MM4AFB

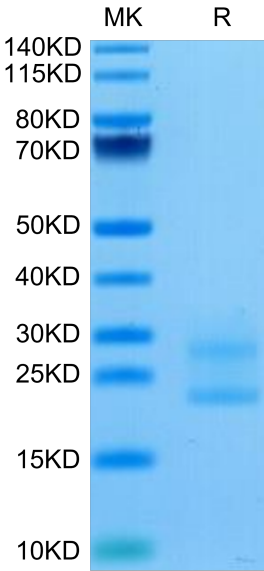
Description	
Source	Recombinant Biotinylated Mouse IL-17A&F Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus of IL-17A. It contains Ala26-Ala158(IL-17A) and Arg29-Ala161(IL-17F).
Accession	Q62386(IL-17A)&Q7TNI7-1(IL-17F)
Molecular Weight	The protein has a predicted MW of 17.9 kDa (IL-17A) and 14.9 kDa (IL-17F). Due to glycosylation, the protein migrates to 22-25 kDa and 27-30 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	Lyophilized from 0.22µm 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 24 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



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

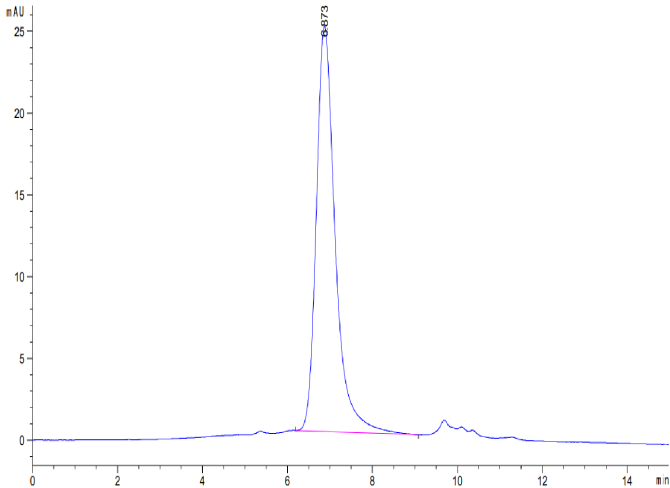
SEC-HPLC

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Assay Data

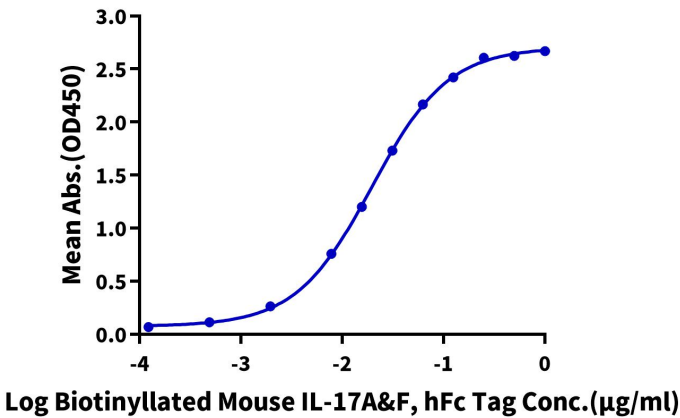


The purity of Biotinylated Mouse IL-17A&F is greater than 95% as determined by SEC-HPLC.

ELISA Data

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

0.5µg Mouse IL-17R alpha, hFc Tag Per Well



Immobilized Mouse IL-17R alpha, hFc Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Mouse IL-17A&F, His Tag with the EC50 of 19.6ng/ml determined by ELISA.