

Mouse IL-17F Protein

Cat. No. ILF-MM417

Description

Source	Recombinant Mouse IL-17F Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Arg29-Ala161.
Accession	Q7TNI7-1
Molecular Weight	The protein has a predicted MW of 17.8 kDa. Due to glycosylation, the protein migrates to 30-35 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per ug by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

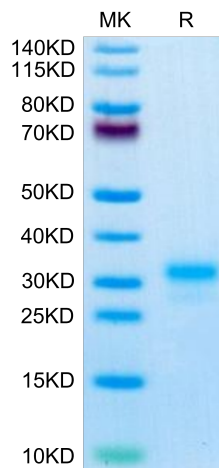
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3-6 months 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

The Interleukin 17 (IL-17) family proteins, comprising six members (IL-17A through IL-17F), are secreted, structurally related proteins that share a conserved cystine-knot fold near the C-terminus, but have considerable sequence divergence at the N-terminus. IL-17F is 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 stimulating the production of other cytokines such as IL6, IL8 and CSF2, and in regulation of cartilage matrix turnover.

Assay Data

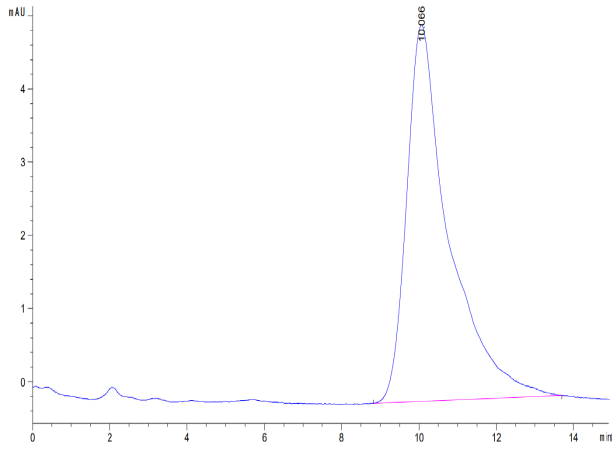
Tris-Bis PAGE



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

SEC-HPLC

Assay Data



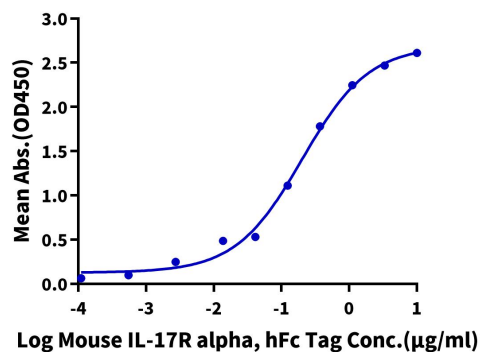
The purity of Mouse IL-17F is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Mouse IL-17F, His Tag ELISA

0.1µg Mouse IL-17F, His Tag Per Well



Immobilized Mouse IL-17F, His Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Mouse IL-17R alpha, hFc Tag with the EC50 of 0.2µg/ml determined by ELISA.