

Human IL-17F Protein

Cat. No. ILF-HM117



Description

Source	Recombinant Human IL-17F Protein is expressed from HEK293 with His tag at the N-terminus.
	It contains Arg31-Gln163.
Accession	Q96PD4
Molecular Weight	The protein has a predicted MW of 16 kDa. 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

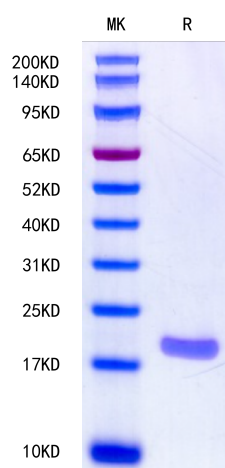
Formulation	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

IL-17 has six family members (IL-17A to IL-17F). Although IL-17A and IL-17F share the highest amino acid sequence homology, they perform distinct functions; IL-17A is involved in the development of autoimmunity, inflammation, and tumors, and also plays important roles in the host defenses against bacterial and fungal infections, whereas IL-17F is mainly involved in mucosal host defense mechanisms.

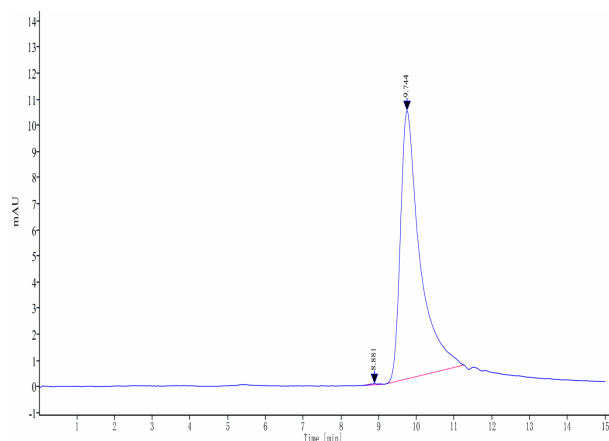
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



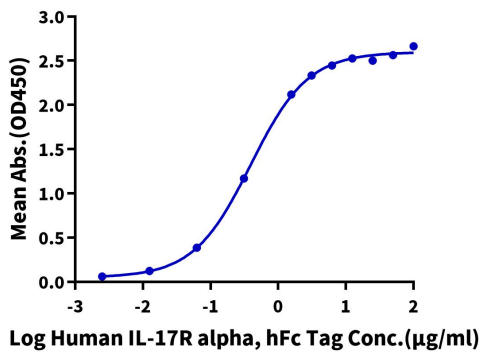
The purity of Human IL-17F is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Human IL-17F, His Tag ELISA

0.5µg Human IL-17F, His Tag Per Well



Immobilized Human IL-17F, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Human IL-17R alpha, hFc Tag (Cat. CD7-HM2RA) with the EC50 of 0.39µg/ml determined by ELISA.