Cynomolgus IL-17F Protein

Cat. No. ILF-CM117

Description

Source	Recombinant Cynomolgus IL-17F Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Arg31-Gln163.
Accession	G7P4V0-1
Molecular Weight	The protein has a predicted MW of 16.1 kDa. Due to glycosylation, the protein migrates to 23-28 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

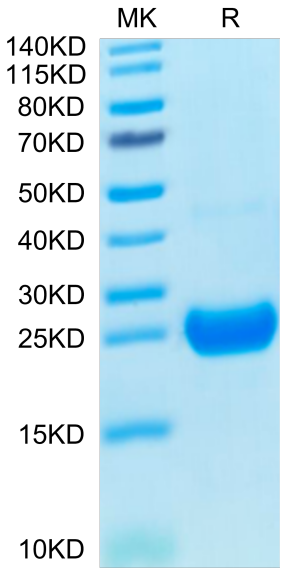
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 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

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 Nterminus.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

Bis-Tris PAGE



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

SEC-HPLC

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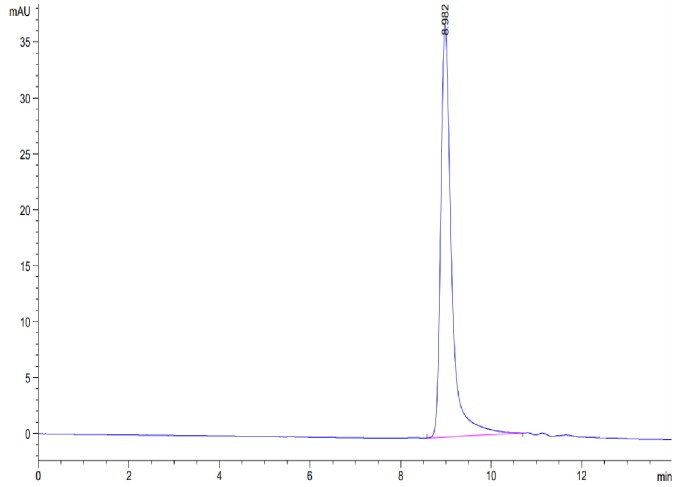
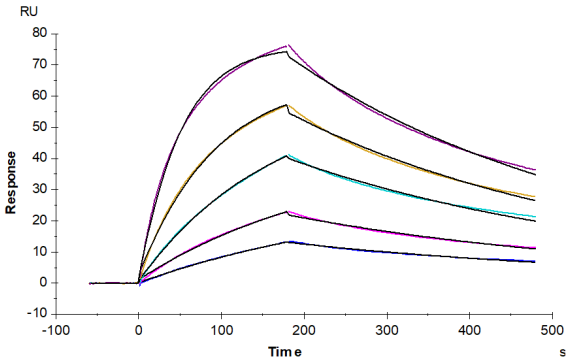
Assay Data



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

SPR Data



Human IL-17R alpha, hFc Tag captured on CM5 Chip via Protein A can bind Cynomolgus IL-17F, His Tag with an affinity constant of 0.13 μM as determined in SPR assay (Biacore T200).