

Cynomolgus IL-11 Protein, Ultra Low Endotoxin



Cat. No. IL1-CM111-UL

Description	
Source	Recombinant Cynomolgus IL-11 Protein is expressed from HEK293 with His tag at the N-Terminus. It contains Pro22-Leu199.
Accession	P20808
Molecular Weight	The protein has a predicted MW of 20.48 kDa. Due to glycosylation, the protein migrates to 21-25 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 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	
Abstract Interleukin-11 (IL-11) is a pleiotropic cytokine that belongs to gp130 family. IL-11 and its receptor, IL-11Ra, are expressed in human cancers, human cancer cells expressed a functional IL-11Ra subunit, which triggered signal transduction either by exogenous recombinant human IL-11 or by autocrine production of IL-11 in cells cultured under hypoxic conditions.	

Assay Data

Bis-Tris PAGE



Cynomolgus IL-11 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

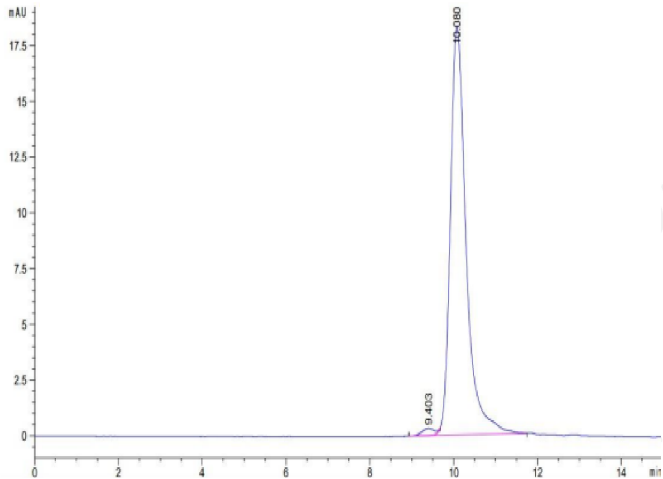
SEC-HPLC

Cynomolgus IL-11 Protein, Ultra Low Endotoxin

Cat. No. IL1-CM111-UL

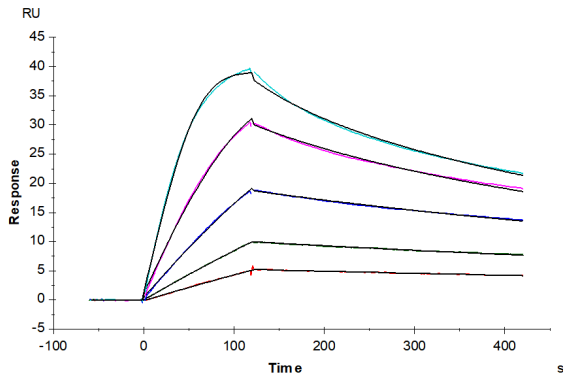


Assay Data



The purity of Cynomolgus IL-11 is greater than 95% as determined by SEC-HPLC.

SPR Data



Human IL-11 R alpha, hFc Tag captured on CM5 Chip via Protein A can bind Cynomolgus IL-11, His Tag with an affinity constant of 0.25 nM as determined in SPR assay (Biacore T200).