

Cynomolgus IL-15RA&IL-15 Protein



Cat. No. IL1-CM1R5

Description	
Source	Recombinant Cynomolgus IL-15RA&IL-15 Protein is expressed from HEK293 with His tag at the C-terminus. It contains Ile31-Pro107(IL-15RA) & Asn49-Ser162(IL-15).
Accession	XP_015311004.1(IL-15RA)&NP_001274605.1(IL-15)
Molecular Weight	The protein has a predicted MW of 24.39 kDa. Due to glycosylation, the protein migrates to 26-30 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	Lyophilized from 0.22 µm filtered solution in PBS, 8% trehalose (pH 7.4).
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	
Interleukin-15 receptor alpha (IL-15R alpha) is a high affinity IL-15 binding protein that is crucial for mediating IL-15 functions such as memory CD8 T cell proliferation and NK, NK/T cell, and intestinal intraepithelial lymphocyte development.	

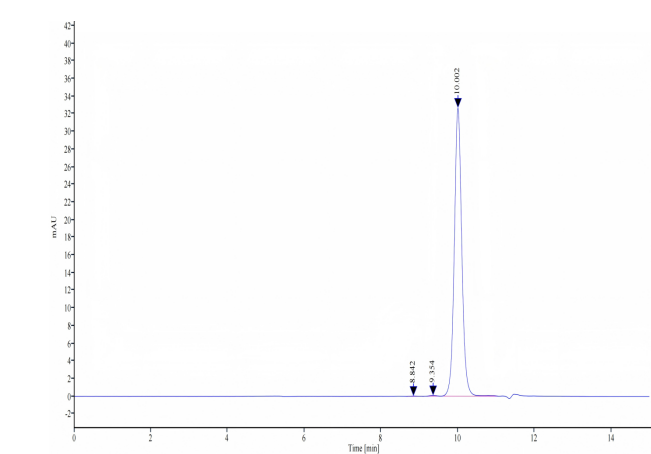
Assay Data

Bis-Tris PAGE



Cynomolgus IL-15RA&IL-15 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

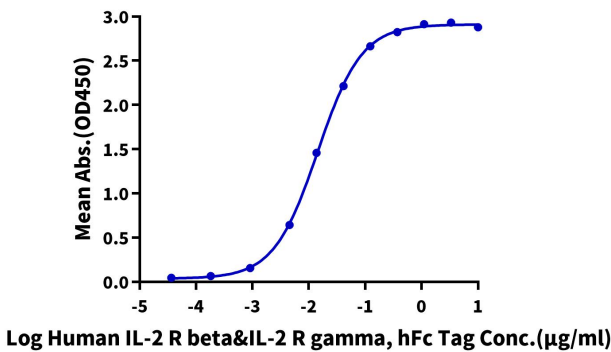


The purity of Cynomolgus IL-15RA&IL-15 is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Cynomolgus IL-15RA&IL-15, His Tag ELISA
0.05µg Cynomolgus IL-15RA&IL-15, His Tag Per Well



Immobilized Cynomolgus IL-15RA&IL-15, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Human IL-2 R beta&IL-2 R gamma, hFc Tag (Cat. ILR-HM2BG) with the EC50 of 14.1ng/ml determined by ELISA.