

Cynomolgus IL-5 Protein

Cat. No. IL5-CM101



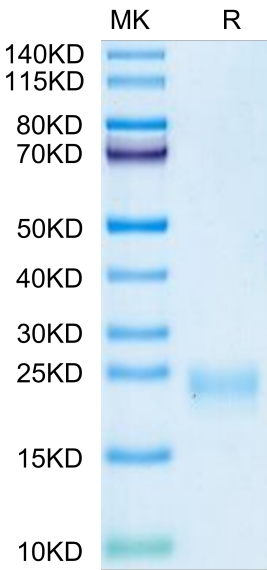
Description	
Source	Recombinant Cynomolgus IL-5 Protein is expressed from HEK293 with His tag at the N-Terminus. It contains Ile20-Ser134.
Accession	A0A2K5U1E7
Molecular Weight	The protein has a predicted MW of 14.25 kDa. Due to glycosylation, the protein migrates to 20-25 kDa based on Bis-Tris PAGE 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	
IL-5 is an important cytokine for priming and survival of mature eosinophils and for proliferation and maturation of their progenitors. IL-5(Rα) targeting will be increasingly used in diseases where eosinophils are the key immune effector cells such as eosinophilic asthma (EA), hypereosinophilic syndrome (HES), eosinophilic esophagitis (EE), and eosinophilic granulomatosis with polyangiitis (EGPA).	

Assay Data

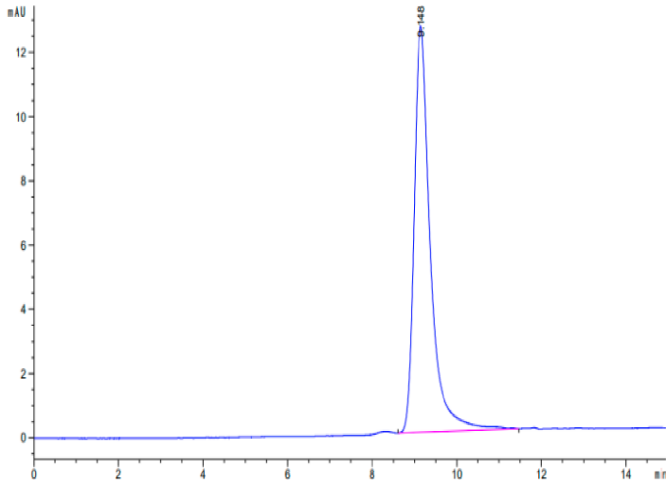
Bis-Tris PAGE



Cynomolgus IL-5 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

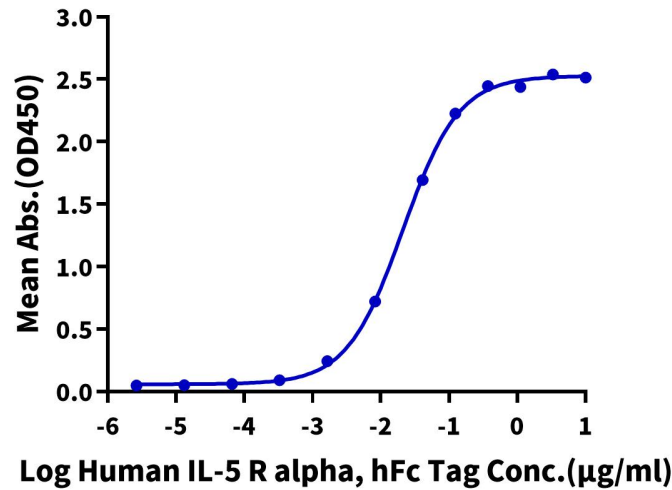
Assay Data



The purity of Cynomolgus IL-5 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Cynomolgus IL-5, His Tag ELISA
0.1µg Cynomolgus IL-5, His Tag Per Well



Immobilized Cynomolgus IL-5, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Human IL-5 R alpha, hFc Tag with the EC50 of 21.0ng/ml determined by ELISA.