

Cynomolgus IFN gamma/IFNG Protein



Cat. No. IFN-CM10G

Description	
Source	Recombinant Cynomolgus IFN gamma/IFNG Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln24-Gln165.
Accession	P63309
Molecular Weight	The protein has a predicted MW of 17.72 kDa. Due to glycosylation, the protein migrates to 25-35 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	
IFN-gamma and one of its receptor subunits, IFNGR1, are translocated to the nucleus, together with STAT1alpha as one macromolecular complex, via the classical importin-dependent pathway. Put IFN-gamma and its receptor subunit, IFNGR1, in direct contact with the promoter region of IFN-gamma-activated genes with associated increased activity, thus suggesting a transcriptional/cotranscriptional role for IFN-gamma/IFNGR1 as well as a possible role in determining the specificity of IFN-gamma action.	

Assay Data

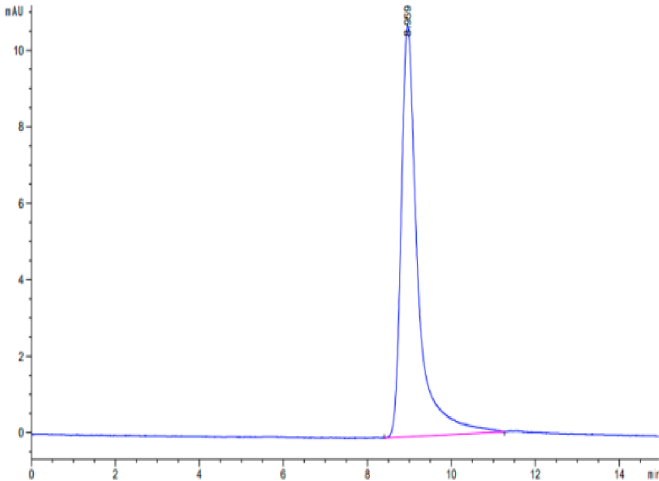
Bis-Tris PAGE



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

SEC-HPLC

Assay Data

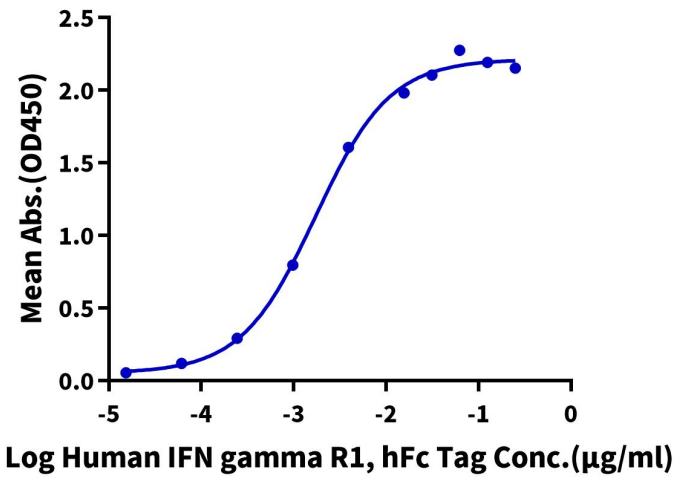


The purity of Cynomolgus IFN gamma is greater than 95% as determined by SEC-HPLC.

ELISA Data

Cynomolgus IFN gamma, His Tag ELISA

0.2µg Cynomolgus IFN gamma, His Tag Per Well



Immobilized Cynomolgus IFN gamma, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Human IFN gamma R1, hFc Tag with the EC50 of 1.7ng/ml determined by ELISA.