

Marmoset IL-22 Protein

Cat. No. IL2-JM122



Description

Source	Recombinant Marmoset IL-22 Protein is expressed from HEK293 with His tag at the C-terminus.
	It contains Ala34-Ile179.
Accession	A0A5F4W8U7
Molecular Weight	The protein has a predicted MW of 18.32 kDa. Due to glycosylation, the protein migrates to 27-40 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

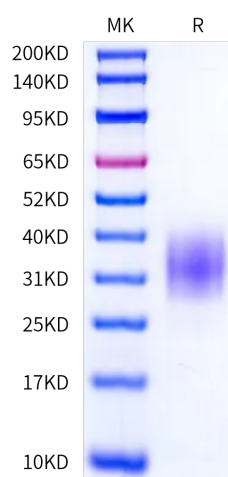
Formulation	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

The cytokine interleukin-22 (IL-22) is a critical regulator of epithelial homeostasis. It has been implicated in multiple aspects of epithelial barrier function, including regulation of epithelial cell growth and permeability, production of mucus and antimicrobial proteins (AMPs), and complement production.

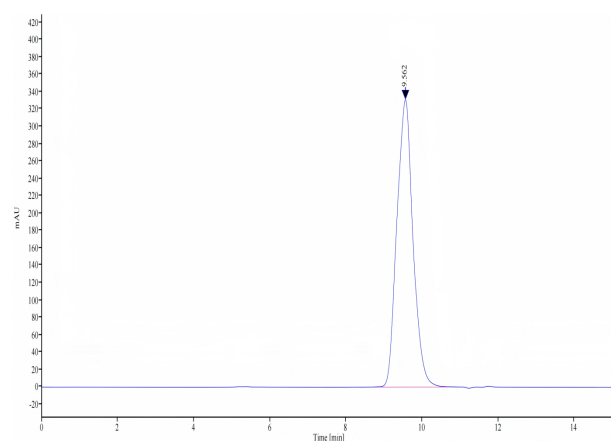
Assay Data

Bis-Tris PAGE



Marmoset IL-22 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



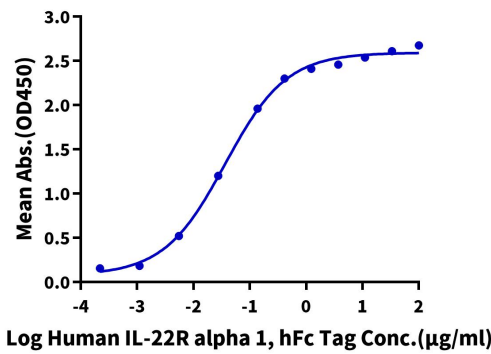
The purity of Marmoset IL-22 is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Marmoset IL-22, His Tag ELISA

0.1µg Marmoset IL-22, His Tag Per Well



Immobilized Marmoset IL-22, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Human IL-22R alpha 1, hFc Tag (Cat. ILR-HM222) with the EC50 of 36.5ng/ml determined by ELISA.