Cynomolgus IL-21R Protein

Cat. No. ILR-CM121

Description

Source	Recombinant Cynomolgus IL-21R Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Cys41-Gly254.
Accession	G7Q0S8
Molecular Weight	The protein has a predicted MW of 25.70 kDa. Due to glycosylation, the protein migrates to 40-50 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE
	> 95% as determined by HPLC

Formulation and Storage

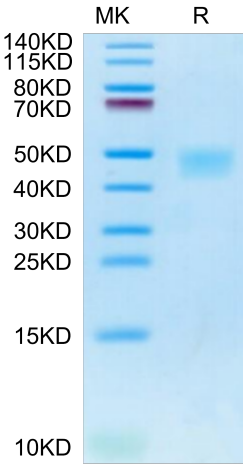
Formulation	Supplied as 0.22μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

IL-21 and IL-21R were highly expressed in the lesional skin and peripheral blood of psoriasis patients. IL-21 promoted CD4 T cells proliferation and Th17 cells differentiation and inhibiting Treg cells differentiation by upregulating RORγt expression and downregulating Foxp3 expression, with increased expression and secretion of IL-17A and IL-22.Microbial translocation and the associated immune activation during HIV-1 infection may lead to high expression levels of the IL-21R activation marker in RM B cells, a feature associated with increased apoptosis and a reduced number of these cells in the circulation.

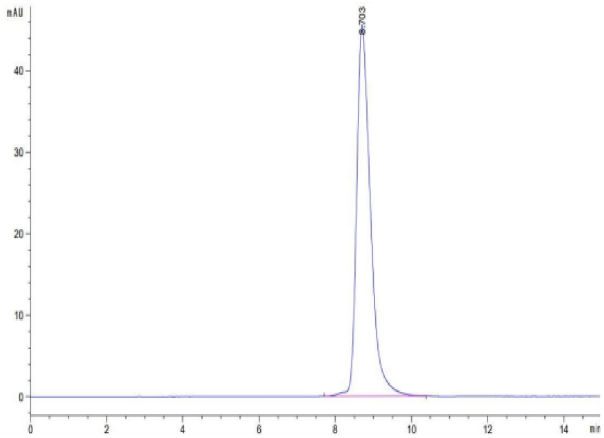
Assay Data

Tris-Bis PAGE



Cynomolgus IL-21R on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Cynomolgus IL-21R is greater than 95% as determined by SEC-HPLC.

For Research Use Only

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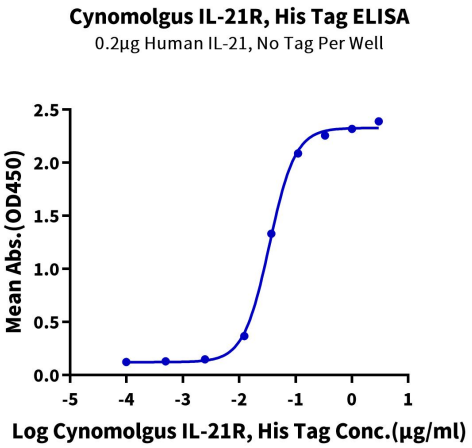
Assay Data

ELISA Data



Immobilized Human IL-21 at 2μg/ml (100μl/well) on the plate. Dose response curve for Cynomolgus IL-21R, His Tag with the EC50 of 34.3ng/ml determined by ELISA.

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