Cynomolgus IL-4 Protein

Cat. No. IL4-CM101

Description

Source	Recombinant Cynomolgus IL-4 Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains His25-Ser153.
Accession	P79339-1
Molecular Weight	The protein has a predicted MW of 16.03 kDa. Due to glycosylation, the protein migrates to 23-28 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

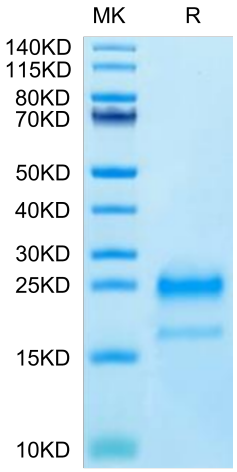
Formulation	Supplied as 0.22μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Interleukin-4, also known as IL4, is a secreted protein which belongs to the IL-4 / IL-13 family. Interleukin-4 / IL4 has many biological roles, including the stimulation of activated B-cell and T-cell proliferation.In the presence of IL-4 and IL-13, cytokines that are produced in a Th-2 type response, particularly during allergy and parasitic infections, macrophages become differentially activated, And this cytokine is a ligand for interleukin 4 receptor. .

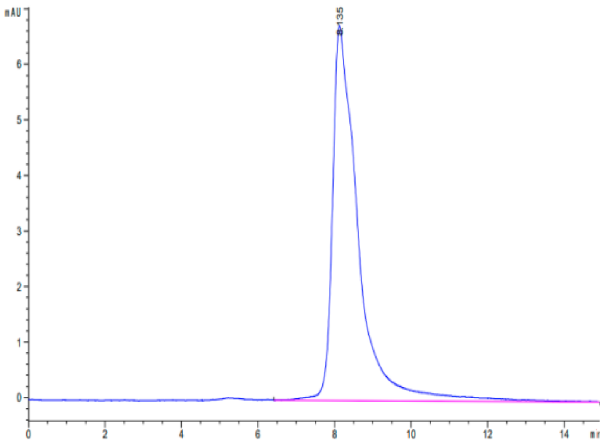
Assay Data

Tris-Bis PAGE



Cynomolgus IL-4 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



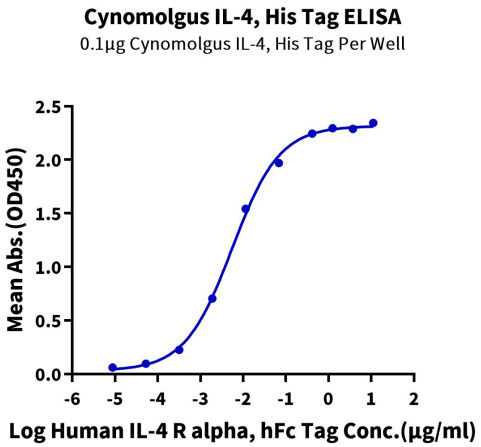
The purity of Cynomolgus IL-4 is greater than 95% as determined by SEC-HPLC.

Cynomolgus IL-4 Protein

Cat. No. IL4-CM101

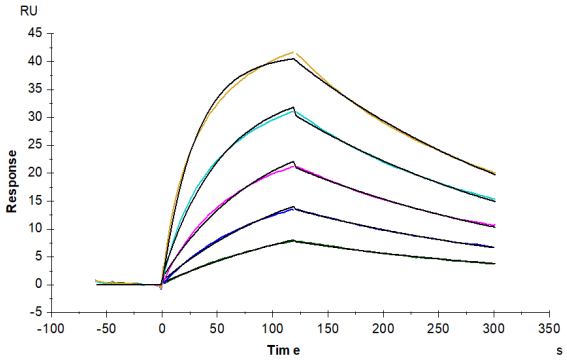
Assay Data

ELISA Data



Immobilized Cynomolgus IL-4, His Tag at 1μg/ml (100μl/well) on the plate. Dose response curve for Human IL-4 R alpha, hFc Tag with the EC50 of 5.5ng/ml determined by ELISA (QC Test).

SPR Data



Cynomolgus IL-4, His Tag immobilized on CM5 Chip can bind Cynomolgus IL-4 R alpha, His Tag with an affinity constant of 13.48 nM as determined in SPR assay (Biacore T200).

For Research Use Only