Human IL-4 R alpha/CD124 Protein

Cat. No. ILA-HM24R

Description

Source	Recombinant Human IL-4 R alpha/CD124 Protein is expressed from HEK293 with hFc tag at the C-Terminus.
	It contains Gly24-His232.
Accession	P24394-1
Molecular Weight	The protein has a predicted MW of 50.7 kDa. Due to glycosylation, the protein migrates to 70-80 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

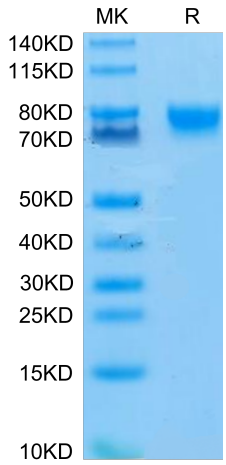
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Interleukin 4 Receptor alpha (IL-4 Ra), also known as CD124 and BSF receptor, is a widely expressed 140 kDa transmembrane glycoprotein in the class I cytokine receptor family.The effects of IL-4 are mediated after binding to high affinity receptor complexes present on hematopoietic as well as non-hematopoietic cells.

Assay Data

Tris-Bis PAGE



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

SEC-HPLC

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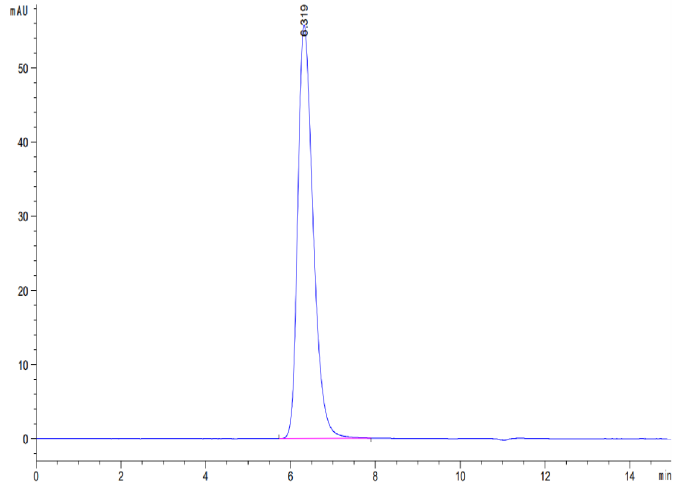
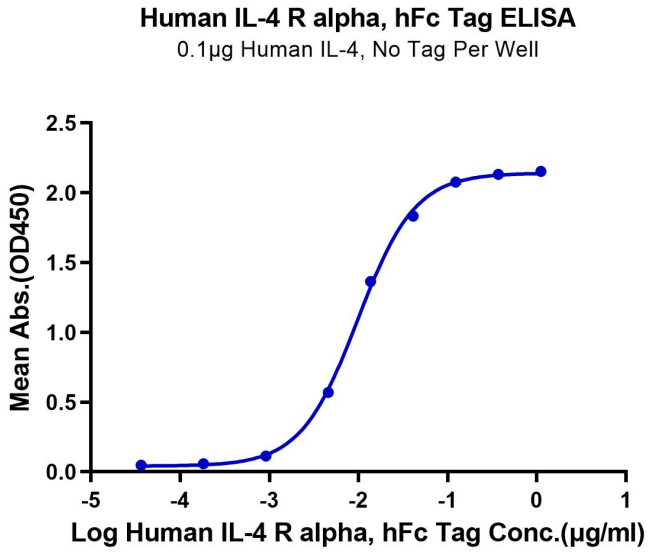
Assay Data



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

ELISA Data



Immobilized Human IL-4, No Tag at 1μg/ml (100μl/well) on the plate. Dose response curve for Human IL-4 R alpha, hFc Tag with the EC50 of 9.8ng/ml determined by ELISA.