

Human IL-4 R alpha/CD124 Protein



Cat. No. ILA-HM14R

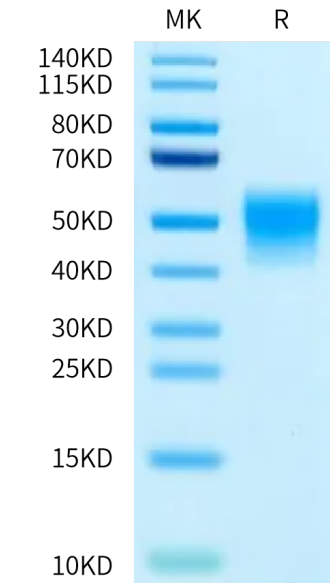
Description	
Source	Recombinant Human IL-4 R alpha/CD124 Protein is expressed from HEK293 with His tag at the C-terminus. It contains Met26-His232.
Accession	P24394-1
Molecular Weight	The protein has a predicted MW of 24.7 kDa. Due to glycosylation, the protein migrates to 45-70 kDa based on Bis-Tris 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 0.22 µm 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	
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

Bis-Tris PAGE



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

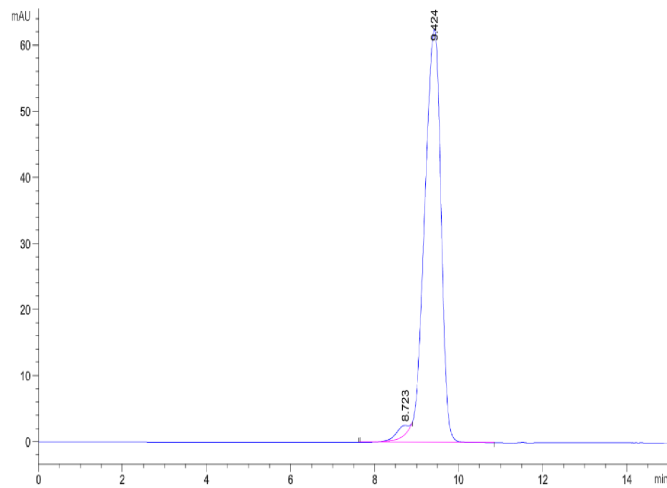
SEC-HPLC

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Assay Data

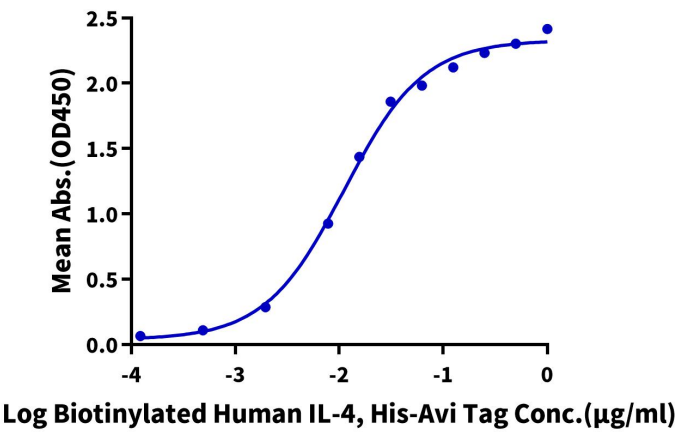


The purity of Human IL-4 R alpha is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human IL-4 R alpha, His Tag ELISA

0.1µg Human IL-4 R alpha, His Tag Per Well



Immobilized Human IL-4 R alpha, His Tag at 1 µg/ml (100 µl/Well). Dose response curve for Biotinylated Human IL-4, His-Avi Tag with the EC50 of 11.2 ng/ml determined by ELISA (QC Test).