

Datasheet for ABIN7274993

IL4 Receptor Protein (AA 24-232) (Fc Tag)[Go to Product page](#)**4** Images

Overview

Quantity:	100 µg
Target:	IL4 Receptor (IL4R)
Protein Characteristics:	AA 24-232
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL4 Receptor protein is labelled with Fc Tag.

Product Details

Purpose:	Human IL-4 R alpha/CD124 Protein
Sequence:	Gly24-His232
Characteristics:	Recombinant Human IL-4 R alpha/CD124 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Gly24-His232.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	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. See testing image for detail.

Target Details

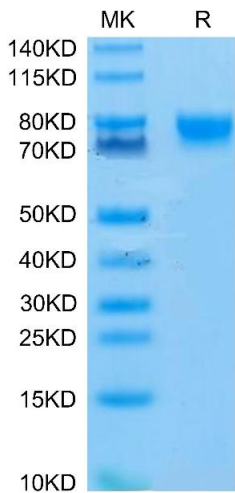
Target:	IL4 Receptor (IL4R)
Alternative Name:	IL-4 R alpha (IL4R Products)
Background:	Interleukin 4 Receptor alpha (IL-4 Ra), also known as CD124 and BSF receptor, is a widely expressed 140 kDa transmembrane glycoprotein in the class I cytokine receptor family. The effects of IL-4 are mediated after binding to high affinity receptor complexes present on hematopoietic as well as non-hematopoietic cells.
Molecular Weight:	50.7 kDa. Due to glycosylation, the protein migrates to 70-80 kDa based on Tris-Bis PAGE result.
Pathways:	JAK-STAT Signaling , Positive Regulation of Immune Effector Process

Application Details

Restrictions:	For Research Use only
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Handling

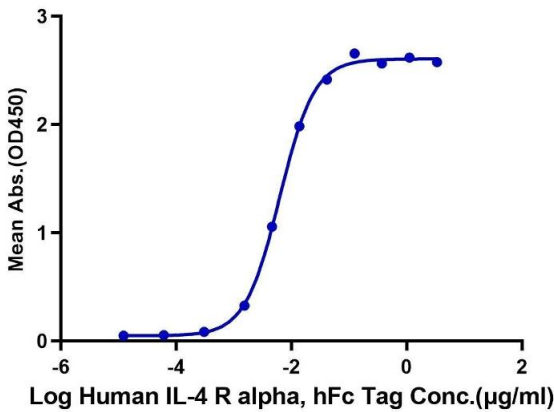
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months 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.
Expiry Date:	12 months



SDS-PAGE

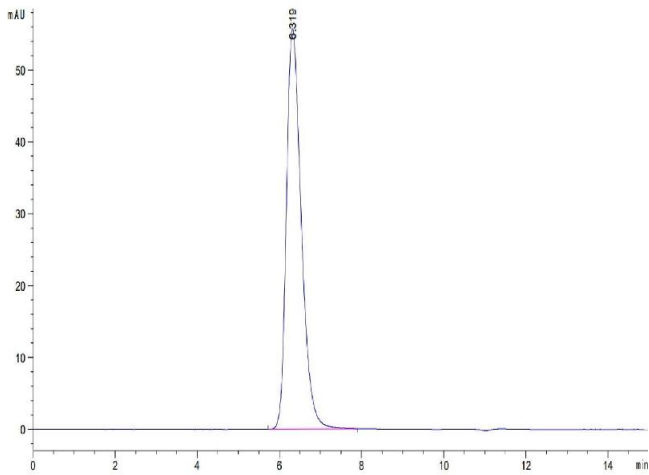
Image 1. Human IL-4 R alpha on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Human IL-4 R alpha, hFc Tag ELISA
0.05µg Human IL-4, His Tag Per Well



ELISA

Image 2. Immobilized Human IL-4, His Tag at 0.5 µg/mL (100 µL/well) on the plate. Dose response curve for Human IL-4 R alpha, hFc Tag with the EC50 of 6.2 ng/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Human IL-4 R alpha is greater than 95 % as determined by SEC-HPLC.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7274993.