

# Human IL-4 R alpha/CD124 Protein

Cat. No. ILA-HM24R



## Description

|                         |                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <b>Source</b>           | Recombinant Human IL-4 R alpha/CD124 Protein is expressed from HEK293 with hFc tag at the C-terminus.<br>It contains Met26-His232. |
| <b>Accession</b>        | P24394-1                                                                                                                           |
| <b>Molecular Weight</b> | The protein has a predicted MW of 50.7 kDa. Due to glycosylation, the protein migrates to 70-80 kDa based on Bis-Tris PAGE result. |
| <b>Endotoxin</b>        | Less than 0.1 EU per µg by the LAL method.                                                                                         |
| <b>Purity</b>           | >95% as determined by Bis-Tris PAGE<br>>95% as determined by HPLC                                                                  |

## Formulation and Storage

|                       |                                                                                                                                                                                                                         |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Formulation</b>    | Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.                                                                                         |
| <b>Reconstitution</b> | Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.                                                                                             |
| <b>Storage</b>        | -20 to -80°C for 24 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.

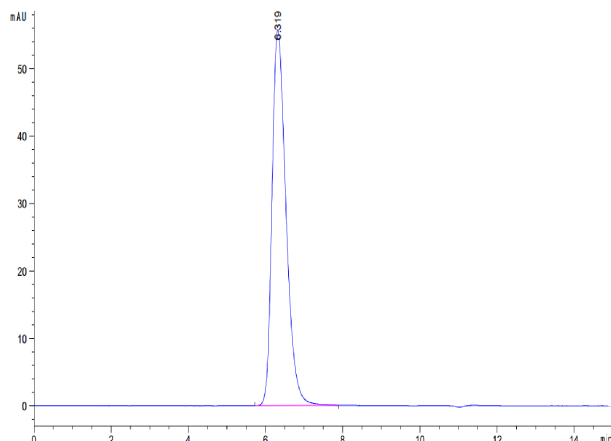
## Assay Data

### Bis-Tris PAGE



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

### SEC-HPLC

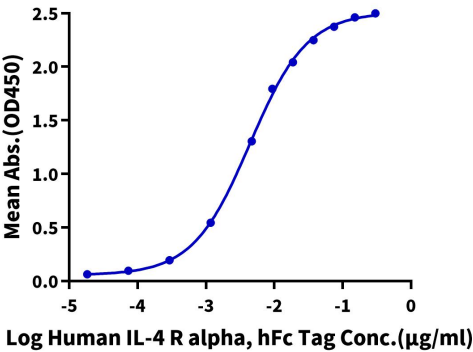


The purity of Human IL-4 R alpha is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Human IL-4 R alpha, hFc Tag ELISA  
0.1µg Human IL-4, No Tag Per Well



Immobilized Human IL-4, No Tag at 1 µg/ml (100 µl/well) on the plate. Dose response curve for Human IL-4 R alpha, hFc Tag with the EC50 of 4.4 ng/ml determined by ELISA.