

# Biotinylated Human IL-5 R alpha/CD125 Protein

Cat. No. ILR-HM45RB

## Description

<b>Source</b>	Recombinant Biotinylated Human IL-5 R alpha/CD125 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Asp21-Glu335.
<b>Accession</b>	Q01344-1
<b>Molecular Weight</b>	The protein has a predicted MW of 38.7 kDa. Due to glycosylation, the protein migrates to 55-60 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per ug by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

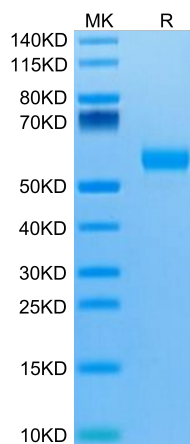
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<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

Interleukin5 Receptor alpha (IL5 R alpha), also known as CD125, is a 60 kDa hematopoietin receptor that plays a dominant role in eosinophil biology. This is the receptor for interleukin-5. The alpha chain binds to IL5.

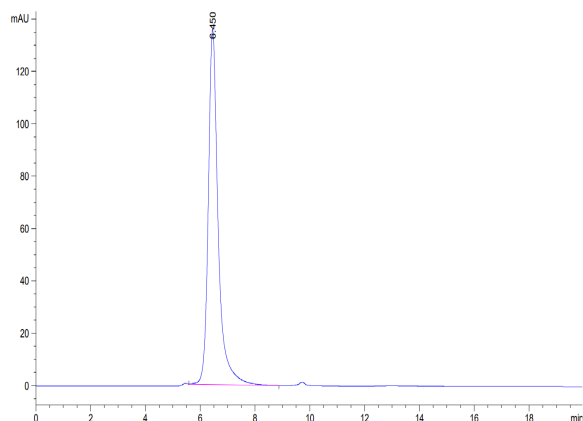
## Assay Data

### Bis-Tris PAGE



Biotinylated Human IL-5 R alpha on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



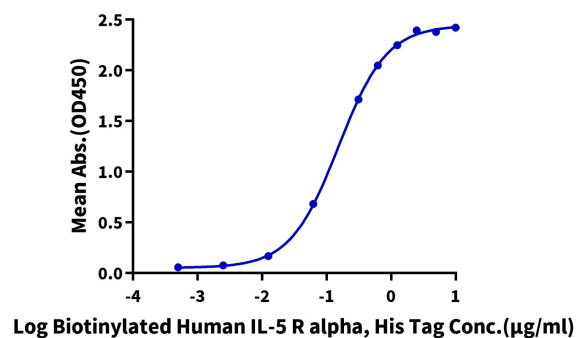
The purity of Biotinylated Human IL-5 R alpha is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

**Biotinylated Human IL-5 R alpha, His Tag ELISA**

0.2µg Human IL-5, His Tag Per Well



Immobilized Human IL-5, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human IL-5 R alpha, His Tag with the EC50 of 0.15µg/ml determined by ELISA.