

Datasheet for ABIN7275023
IL5RA Protein (AA 21-335) (Fc Tag)

3 Images

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Overview

Quantity:	100 µg
Target:	IL5RA
Protein Characteristics:	AA 21-335
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL5RA protein is labelled with Fc Tag.

Product Details

Purpose:	Human IL-5 R alpha/CD125 Protein
Sequence:	Asp21-Glu335
Characteristics:	Recombinant Human IL-5 R alpha/CD125 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Asp21-Glu335.
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-5, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Human IL-5 R alpha, hFc Tag with the EC50 of 47.7ng/ml determined by ELISA. See testing image for detail.

Target Details

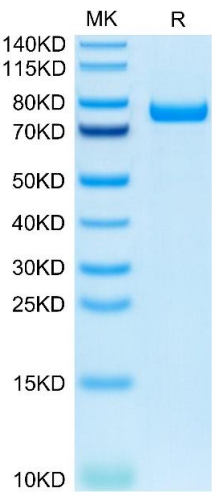
Target:	IL5RA
Alternative Name:	IL-5 R alpha (IL5RA Products)
Background:	Interleukin-5 Receptor alpha (IL-5 R alpha), also known as CD125, is a 60 kDa hematopoietin receptor that plays a dominant role in eosinophil biology. This is the receptor for interleukin-5. The alpha chain binds to IL5.
Molecular Weight:	62.6 kDa. Due to glycosylation, the protein migrates to 70-80 kDa based on Tris-Bis PAGE result.
Pathways:	JAK-STAT Signaling

Application Details

Restrictions:	For Research Use only
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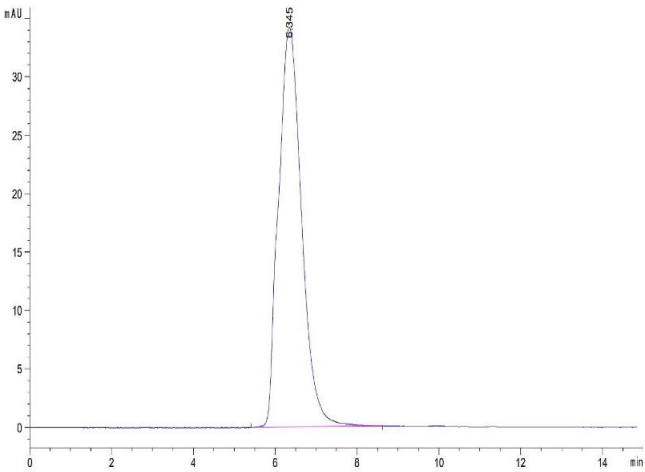
Handling

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

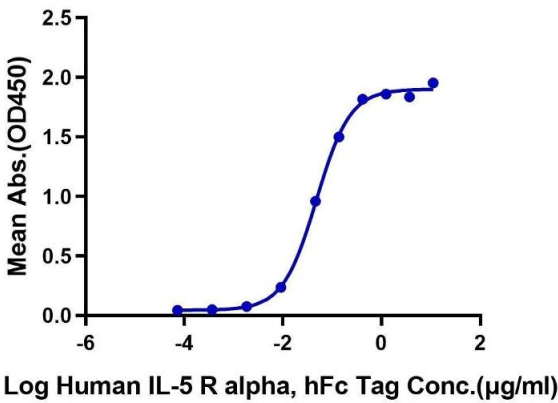
Image 1. Human IL-5R alpha on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human IL-5R alpha is greater than 95 % as determined by SEC-HPLC.

Human IL-5 R alpha/CD125, hFc Tag ELISA
0.05µg Human IL-5, His Tag Per Well



ELISA

Image 3. Immobilized Human IL-5, His Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Human IL-5 R alpha, hFc Tag with the EC50 of 47.7 ng/mL determined by ELISA.