

Datasheet for ABIN7274900

IL-13 Protein (AA 21-132) (His-Avi Tag)**6** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	IL-13 (IL13)
Protein Characteristics:	AA 21-132
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-13 protein is labelled with His-Avi Tag.

Product Details

Purpose:	Human IL-13 Protein
Sequence:	Gly21-Asn132
Characteristics:	Recombinant Human IL-13 Protein is expressed from HEK293 with His tag and Avi tag at the N-Terminus. It contains Gly21-Asn132.
Purity:	> 90 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human IL-13, His Tag at 1µg/ml (100µl/Well). Dose response curve for Human IL-13Ra1, hFc Tag with the EC50 of 2.7µg/ml determined by ELISA. The affinity constant of 0.7µM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

Target:	IL-13 (IL13)
Alternative Name:	IL-13 (IL13 Products)
Background:	Interleukin-13 (IL-13) is a monomeric 17 kDa immunoregulatory cytokine that plays a key role in the pathogenesis of allergy, cancer, and tissue fibrosis. It is secreted by several helper T cell subsets, NK cells, mast cells, eosinophils, basophils, and visceral smooth muscle cells. Inhibits inflammatory cytokine production. Synergizes with IL2 in regulating interferon-gamma synthesis. May be critical in regulating inflammatory and immune responses. Positively regulates IL31RA expression in macrophages (By similarity).
Molecular Weight:	15.3 kDa. Due to glycosylation, the protein migrates to 15 kDa and 25-45 kDa based on Tris-Bis PAGE result.
Pathways:	JAK-STAT Signaling , Positive Regulation of Immune Effector Process , Production of Molecular Mediator of Immune Response , Proton Transport

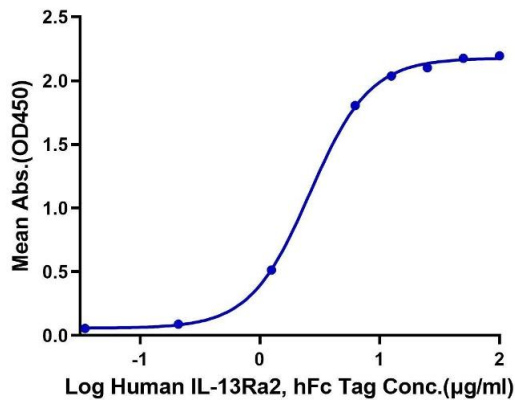
Application Details

Restrictions:	For Research Use only
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Handling

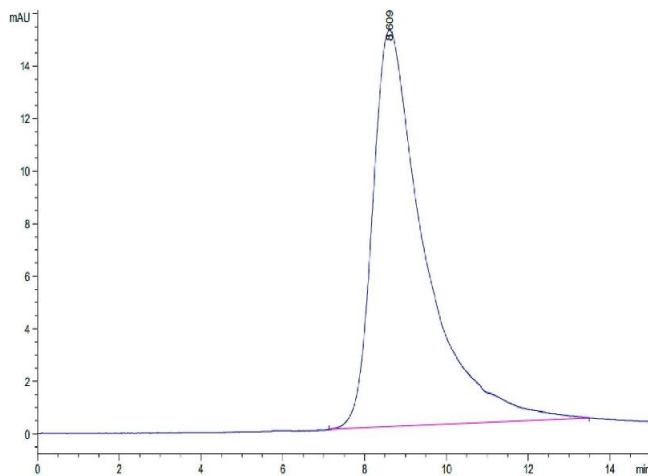
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant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

Human IL-13, His Tag ELISA
0.5µg Human IL-13, His Tag Per Well



ELISA

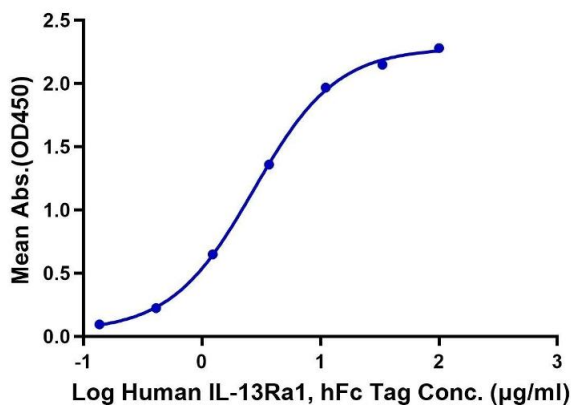
Image 1. Immobilized Human IL-13, His Tag at 5 µg/mL (100 µL/well) on the plate. Dose response curve for Human IL-13Ra2, hFc Tag with the EC50 of 2.6 µg/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human IL-13 is greater than 95 % as determined by SEC-HPLC.

Human IL-13, His Tag ELISA
0.1µg Human IL-13, His Tag Per Well



ELISA

Image 3. Immobilized Human IL-13, His Tag at 1 µg/mL (100 µL/Well). Dose response curve for Human IL-13Ra1, hFc Tag with the EC50 of 2.7 µg/mL determined by ELISA.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN7274900.