

Datasheet for ABIN7274901
IL-13 Protein (His-Avi Tag,Biotin)[Go to Product page](#)

2 Images

Overview

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

Product Details

Sequence:	Gly21-Asn132
Purity:	> 95% 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 Biotinylated Human IL-13, His Tag at 2µg/ml (100µl/well) on the streptavidin (5µg/ml) precoated plate. Dose response curve for Human IL-13Ra2, hFc Tag with the EC50 of 1.4 µg/ml determined by ELISA. See testing image for detail.

Target Details

Target:	IL-13 (IL13)
Alternative Name:	IL-13 (IL13 Products)
Background:	IL13, IL-13, interleukin 13, NC30, P600, ALRH, BHR1, MGC116786, MGC116788, MGC116789, Interleukin-13 (IL-13) is a monomeric 17 kDa immunoregulatory cytokine that

Target Details

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 35-45 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

Handling

Format: Lyophilized

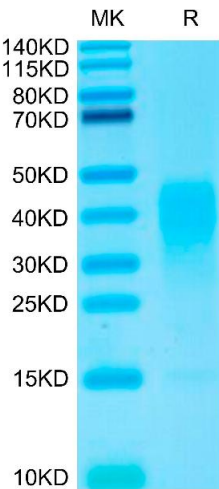
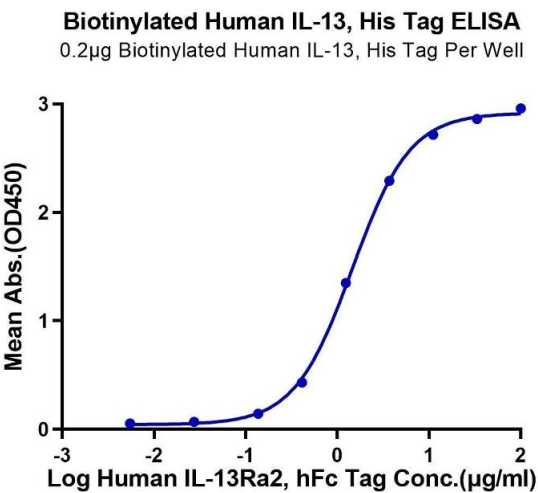
Reconstitution: Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

Buffer: Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.

Storage: 4 °C, -80 °C

Storage Comment: Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

Expiry Date: 12 months



ELISA

Image 1. Immobilized Biotinylated Human IL-13, His Tag at 2 µg/mL (100 µL/well) on the streptavidin (5 µg/mL) precoated plate. Dose response curve for Human IL-13Ra2, hFc Tag with the EC50 of 1.4 µg/mL determined by ELISA.

SDS-PAGE

Image 2. Biotinylated IL-13 on Tris-Bis PAGE under reduced conditions. The purity is greater than 95 % .