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Datasheet for ABIN7274940

IL-3 Protein (AA 20-152) (His-Avi Tag)

4 Images

Overview

Quantity:	100 µg
Target:	IL-3
Protein Characteristics:	AA 20-152
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-3 protein is labelled with His-Avi Tag.

Product Details

Purpose:	Human IL-3 Protein
Sequence:	Ala20-Phe152
Characteristics:	Recombinant Human IL-3 Protein is expressed from E.coli with His tag and Avi tag at the N-Terminus.It contains Ala20-Phe152.
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-3, His Tag at 5µg/ml (100µl/Well) on the plate. Dose response curve for Human IL-3 R alpha, hFc Tag with the EC50 of 42.7ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	IL-3
Alternative Name:	IL-3 (IL-3 Products)
Background:	Interleukin 3 is a pleiotropic factor produced primarily by activated T cells that can stimulate the proliferation and differentiation of pluripotent hematopoietic stem cells as well as various lineage committed progenitors. This CSF induces granulocytes, macrophages, mast cells, stem cells, erythroid cells, eosinophils and megakaryocytes.
Molecular Weight:	16.9 kDa same as Tris-Bis PAGE result.
UniProt:	P08700
Pathways:	JAK-STAT Signaling , Regulation of Carbohydrate Metabolic Process , Autophagy

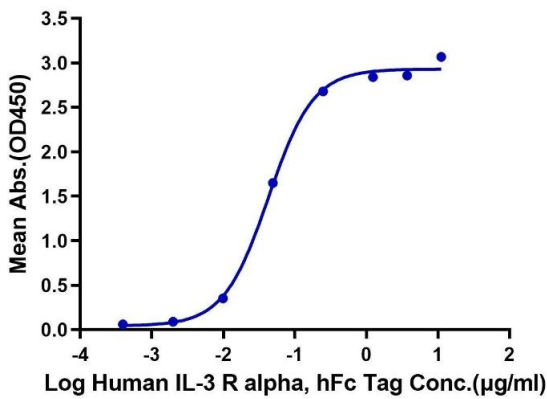
Application Details

Restrictions:	For Research Use only
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Handling

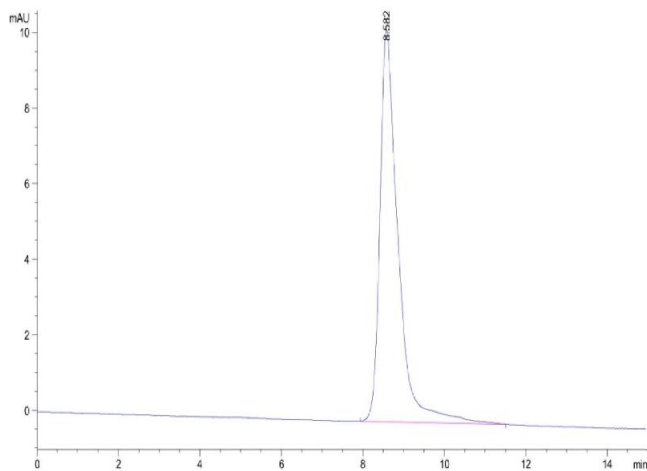
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant 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-3, His Tag ELISA
0.5µg Human IL-3, His Tag Per Well



ELISA

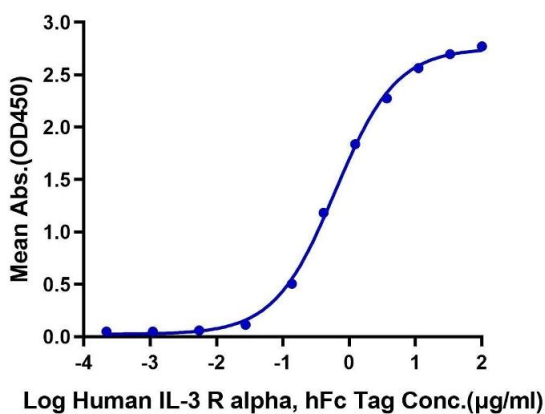
Image 1. Immobilized Human IL-3, His Tag at 5 µg/mL (100 µL/Well) on the plate. Dose response curve for Human IL-3 R alpha, hFc Tag with the EC50 of 42.7 ng/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human IL-3 is greater than 95 % as determined by SEC-HPLC.

Human IL-3, His Tag ELISA
0.5µg Human IL-3, His Tag Per Well



ELISA

Image 3. Immobilized Human IL-3, His Tag at 5 µg/mL (100 µL/Well) on the plate. Dose response curve for Human IL-3 R alpha, hFc Tag with the EC50 of 0.61 µg/mL determined by ELISA.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7274940.