

Datasheet for ABIN7274941

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

3 Images



[Go to Product page](#)

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,Biotin. |

Product Details

| | |
|------------------------------|--|
| Purpose: | Biotinylated Human IL-3 Protein |
| Sequence: | Ala20-Phe152 |
| Characteristics: | Recombinant Biotinylated 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 Biotinylated 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 1.3µg/ml determined by ELISA. See testing image for detail. |

Target Details

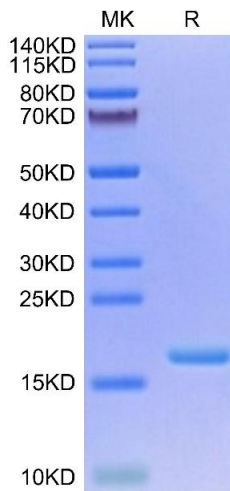
| | |
|-------------------|---|
| Target: | IL-3 |
| Alternative Name: | IL-3 (IL-3 Products) |
| Background: | Interleukin 3 is a pleiotropic factor produced primarily by activated T cells that can stimulate the proliferation and differentiation of pluripotent hematopoietic stem cells as well as various 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 |
|---------------|-----------------------|

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 |

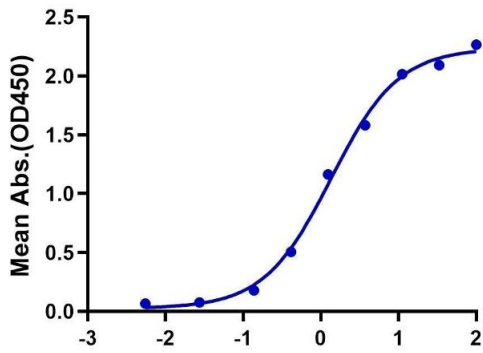


SDS-PAGE

Image 1. Biotinylated Human IL-3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Biotinylated Human IL-3, His Tag ELISA

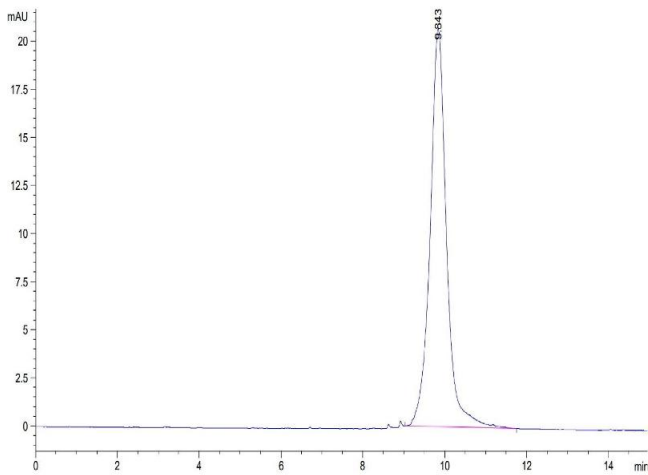
0.5µg Biotinylated Human IL-3, His Tag Per Well



Log Human IL-3 R alpha, hFc Tag Conc.(µg/ml)

ELISA

Image 2. Immobilized Biotinylated 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 1.3 µg/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

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