

Datasheet for ABIN7274898  
**IL12 Protein (His-Avi Tag)**

## 4 Images

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## Overview

Quantity:	100 µg
Target:	IL12
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL12 protein is labelled with His-Avi Tag.

## Product Details

Sequence:	Ile23-Ser328(IL-12B)/Arg23-Ser219(IL-12A)
Purity:	> 95% as determined by Tris-Bis PAGE, > 95% as determined by SEC-HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human IL-12, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-IL-12 Antibody, hFc Tag with the EC50 of 6.5ng/ml determined by ELISA. See testing image for detail.

## Target Details

Target:	IL12
Alternative Name:	IL-12 ( <a href="#">IL12 Products</a> )
Background:	CLMF, CLMF2, IL-12A, IL-12B, IL12, IL12 p70, IMD28, IMD29, NFSK, NKSF1, NKSF2, P35, IL-12 subunit p35, IL12A, interleukin 12, Interleukin 12 (IL-12) is a pleiotropic cytokine that plays an

## Target Details

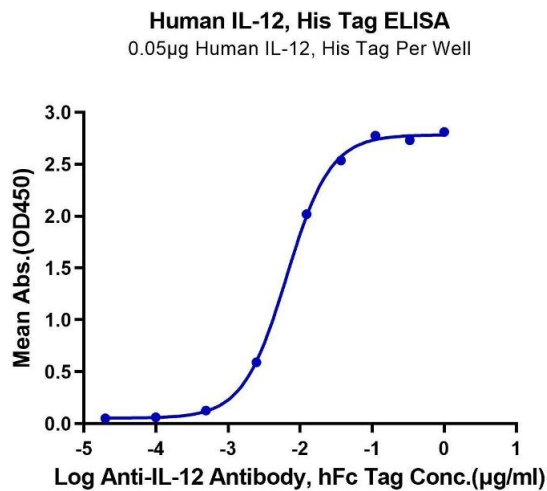
	essential role in Th1-type immune response against cancer, a condition where cells in a particular part of the body grow and reproduce uncontrollably.
Molecular Weight:	34.7(IL-12B)/25.5 (IL-12A) kDa. Due to glycosylation, the protein migrates to 40-45 kDa based on Tris-Bis PAGE result.
Pathways:	<a href="#">JAK-STAT Signaling</a> , <a href="#">TLR Signaling</a> , <a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Activated T Cell Proliferation</a> , <a href="#">Cancer Immune Checkpoints</a> , <a href="#">Inflammasome</a>

## Application Details

Restrictions:	For Research Use only
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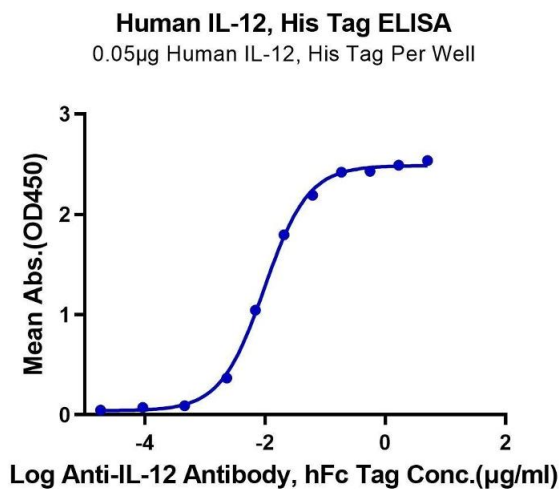
## Handling

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



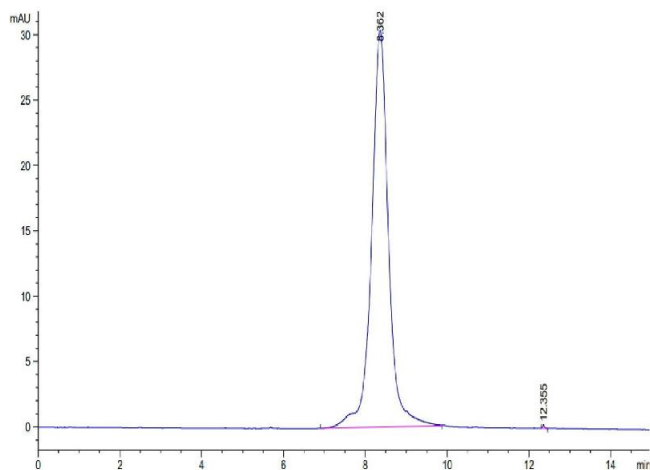
**ELISA**

**Image 1.** Immobilized Human IL-12, His Tag at 0.5 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-IL-12 Antibody, hFc Tag with the EC50 of 6.5 ng/mL determined by ELISA.



**ELISA**

**Image 2.** Immobilized Human IL-12 at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Anti-IL-12 Antibody, hFc Tag with the EC50 of 9.7 ng/mL determined by ELISA.



**Size-exclusion chromatography-High Pressure Liquid Chromatography**

**Image 3.** The purity of Human IL-12 is greater than 95 % as determined by SEC-HPLC.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7274898.