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Datasheet for ABIN7274961

## IL-6 Protein (AA 28-212) (His tag)

### 3 Images

#### Overview

Quantity:	100 µg
Target:	IL-6 (IL6)
Protein Characteristics:	AA 28-212
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-6 protein is labelled with His tag.

#### Product Details

Purpose:	Cynomolgus IL-6 Protein
Sequence:	Ala28-Met212
Characteristics:	Recombinant Cynomolgus IL-6 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ala28-Met212.
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 Cynomolgus IL-6, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Human IL-6 R alpha, hFc Tag with the EC50 of 38.9ng/ml determined by ELISA. See testing image for detail.

## Target Details

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Target:	IL-6 (IL6)
Alternative Name:	IL-6 ( <a href="#">IL6 Products</a> )
Background:	IL-6 (Interleukin-6) is a pleiotropic cytokine that acts in the acute phase reaction, inflammation, hematopoiesis, bone metabolism, and cancer progression. Interleukin 6 has been shown to interact with interleukin-6 receptor and glycoprotein.
Molecular Weight:	22.06 kDa. Due to glycosylation, the protein migrates to 25-30 kDa based on Tris-Bis PAGE result.
UniProt:	<a href="#">P79341</a>
Pathways:	<a href="#">TLR Signaling</a> , <a href="#">Hormone Transport</a> , <a href="#">Negative Regulation of Hormone Secretion</a> , <a href="#">Myometrial Relaxation and Contraction</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Production of Molecular Mediator of Immune Response</a> , <a href="#">Regulation of Carbohydrate Metabolic Process</a> , <a href="#">Autophagy</a> , <a href="#">Cell Redox Homeostasis</a> , <a href="#">Cancer Immune Checkpoints</a> , <a href="#">Inflammasome</a>

## Application Details

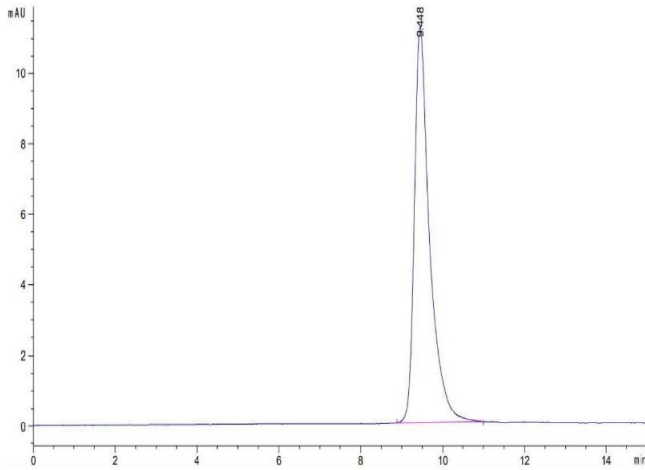
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Restrictions:	For Research Use only
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## Handling

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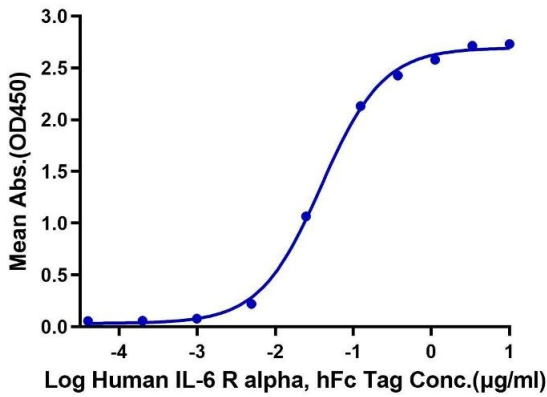
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant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



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

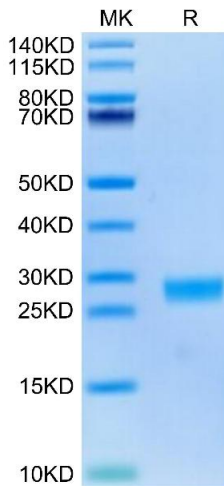
**Image 1.** The purity of Cynomolgus IL-6 is greater than 95 % as determined by SEC-HPLC.

**Cynomolgus IL-6, His Tag ELISA**  
0.2µg Cynomolgus IL-6, His Tag Per Well



**ELISA**

**Image 2.** Immobilized Cynomolgus IL-6, His Tag at 2 µg/mL (100 µL/well) on the plate. Dose response curve for Human IL-6 R alpha, hFc Tag with the EC50 of 38.9 ng/mL determined by ELISA.



**SDS-PAGE**

**Image 3.** Cynomolgus IL-6 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .