

Datasheet for ABIN7274881

**IL-18 Protein (AA 37-193) (Biotin)****2** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	IL-18 (IL18)
Protein Characteristics:	AA 37-193
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-18 protein is labelled with Biotin.

## Product Details

Purpose:	Biotinylated Human IL-18 Protein (Primary Amine Labeling)
Sequence:	Tyr37-Asp193
Characteristics:	Recombinant Biotinylated Human IL-18 Protein (Primary Amine Labeling) is expressed from E.coli without tag.It contains Tyr37-Asp193.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 90 % 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-18BP, hFc Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human IL-18, No Tag with the EC50 of 24.2ng/ml determined by ELISA. See testing image for detail.

## Target Details

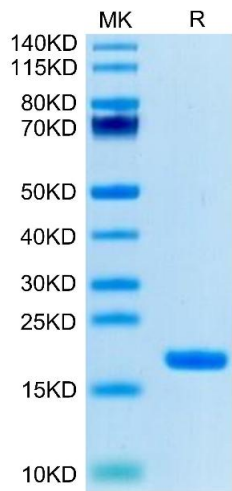
Target:	IL-18 (IL18)
Alternative Name:	IL-18 ( <a href="#">IL18 Products</a> )
Background:	Interleukin (IL)-18 was originally discovered as a factor that enhanced IFN- $\gamma$ production from anti-CD3-stimulated Th1 cells, especially in the presence of IL-12. Upon stimulation with Ag plus IL-12, naive T cells develop into IL-18 receptor (IL-18R) expressing Th1 cells, which increase IFN- $\gamma$ production in response to IL-18 stimulation.
Molecular Weight:	18.2 kDa same as Tris-Bis PAGE result.
UniProt:	<a href="#">Q14116</a>
Pathways:	<a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Activated T Cell Proliferation</a> , <a href="#">Cancer Immune Checkpoints</a> , <a href="#">Inflammasome</a>

## Application Details

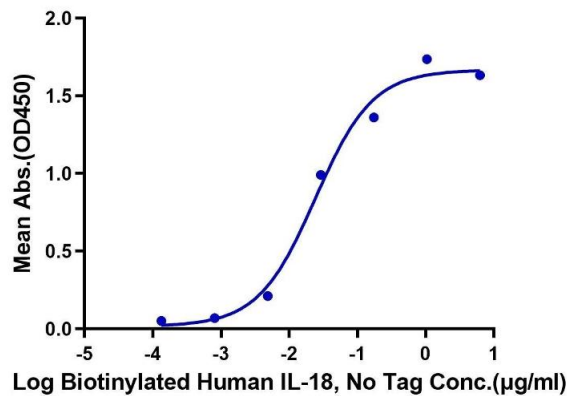
Restrictions:	For Research Use only
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## Handling

Format:	Liquid
Buffer:	Supplied as 0.22 $\mu$ m filtered solution in 20 mM PB, 250 mM NaCl, 50 mM L-arginine ( pH 7.4).
Storage:	-80 °C
Storage Comment:	Valid for 12 months from date of receipt when stored at -80°C., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



**Biotinylated Human IL-18, No Tag ELISA**  
0.5µg Human IL-18BP, hFc Tag Per Well



**SDS-PAGE**

**Image 1.** Biotinylated Human IL-18 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

**ELISA**

**Image 2.** Immobilized Human IL-18BP, hFc Tag at 5 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Human IL-18, No Tag with the EC50 of 24.2 ng/mL determined by ELISA.