# antibodies -online.com





IL-18 Protein (AA 37-197) (Fc Tag)



# Image



#### Overview

Quantity:	100 μg
Target:	IL-18 (IL18)
Protein Characteristics:	AA 37-197
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-18 protein is labelled with Fc Tag.

### **Product Details**

Purpose:	Recombinant Human IL18 with C-terminal human Fc tag
Specificity:	IL18 (Thr37-Asp197) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

## **Target Details**

Target:	IL-18 (IL18)
Alternative Name:	IL18 (IL18 Products)
Background:	The protein encoded by this gene is a proinflammatory cytokine of the IL-1 family that is

constitutively found as a precursor within the cytoplasm of a variety of cells including
macrophages and keratinocytes. The inactive IL-18 precursor is processed to its active form by
caspase-1, and is capable of stimulating interferon gamma production, and of regulating both $T$
helper (Th) 1 and Th2 responses. This cytokine has been implicated in the injury of different
organs, and in potentially fatal conditions characterized by a cytokine storm. In humans, IL-18
gene is located on chromosome 11. Alternatively spliced transcript variants encoding different
isoforms have been found for this gene.[provided by RefSeq, Aug 2020]
11 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1

Molecular Weight:

predicted molecular mass of 44.3 kDa after removal of the signal peptide. The apparent molecular mass of IL18-hFc is 35-55 kDa due to glycosylation.

UniProt:

Q14116

Pathways:

Cellular Response to Molecule of Bacterial Origin, Activated T Cell Proliferation, Cancer Immune Checkpoints, Inflammasome

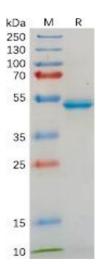
## **Application Details**

Restrictions:

For Research Use only

# Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).  Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months



### **SDS-PAGE**

**Image 1.** Human IL18 Protein, hFc Tag on SDS-PAGE under reducing condition.