

Recombinant Human IL18 Protein, Tyr37-Asp193, Tag Free, Biotinylated

Cat. No. IL18-133H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human IL-18-No Tag protein was developed from HEK293 and has a target region of No Tag.
Species	Human
Source	HEK293
ProteinLength	Tyr37-Asp193
Description	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.
Conjugation/Label	Biotin
Form	Lyophilised
Endotoxin	Endotoxin level was found to be less than 0.1 ng/μg (1 EU/μg).

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Notes	FOR RESEARCH USE ONLY (RUO).
Storage	The lyophilized protein is stable for at least 1 year from date of receipt at -20 centigrade.
Storage Buffer	Lyophilised from 0.2 µm filtered PBS solution pH 7.4. Upon receipt centrifuge vial to ensure maximal product extraction, recommended: 20 sec, 5K RPM
Conjugation	Biotin

GENE INFORMATION

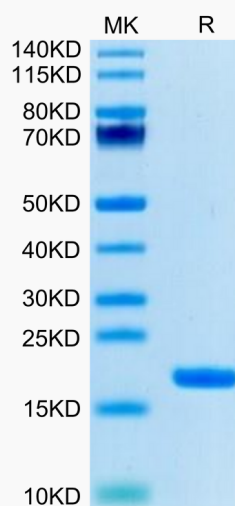
Gene Name	IL18 interleukin 18 (interferon-gamma-inducing factor) [Homo sapiens (human)]
Official Symbol	IL18
Synonyms	IL18; interleukin 18 (interferon-gamma-inducing factor); interleukin-18; IGIF; IL 1g; IL 18; IL1F4; IL-1 gamma; iboctadekin; interleukin-1 gamma; IFN-gamma-inducing factor; IL-18; IL-1g; MGC12320;
Gene ID	3606
mRNA Refseq	NM_001243211
Protein Refseq	NP_001230140
MIM	600953
UniProt ID	Q14116

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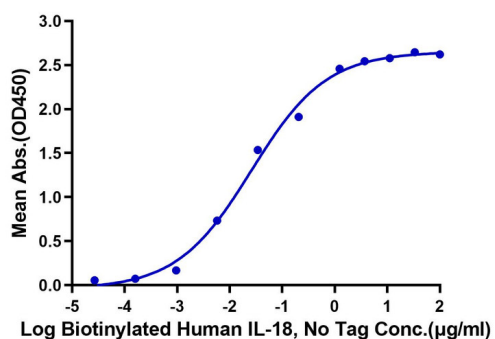
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Biotinylated Human IL-18 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



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 26.0 ng/mL determined by ELISA.

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



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