

Recombinant Mouse IL-18

Cat. No. IL18-83M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Mouse IL-18 was produced in yeast and therefore does not have endotoxin, is naturally folded, and post-translationally modified.
Species	Mouse
Source	Yeast
Description	Interleukin-18 (IL-18) is a cytokine produced by macrophages and other cells that belongs to the IL-1 superfamily. IL-18 works together with IL-12 to induce cell-mediated immunity following infection with microbial products like lipopolysaccharide (LPS). After stimulation with IL-18, natural killer (NK) cells and certain T cells release another important cytokine called interferon-gamma (IFN-gamma) or type II interferon that plays an important role in activating the macrophages or other cells. Apart from its physiological role, IL-18 is also able to induce severe inflammatory reactions, which suggests its role in certain inflammatory disorders. The protein encoded by this gene is a proinflammatory cytokine. This cytokine can induce the IFN-gamma production of T cells. The combination of this cytokine and IL-12 has been shown to inhibit IL-4 dependent IgE and IgG1 production, and enhance IgG2a production of B cells.
Form	Lyophilized
Molecular Mass	18.1 kDa
AA Sequence	NFGRLHCTTA VIRNINDQVL FVDKRQPVFE DMTDIDQSAS EPQTRLIIYM

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YKDSEVRGLA VTLSVKDSKM STLSCKNKII SFEEMDPPE IDDIQSDLIF
FQKRVPGHNK MEFESSLYEG HFLACQKEDD AFKLILKKKD ENGDKSVMFT
LTNLHQS (157)

Applications

The Mouse IL-18 protein can be used in cell culture, as an IL-18 ELISA Standard, and as a Western Blot Control.

Storage

-20 C

GENE INFORMATION
Gene Name

[IL18 interleukin 18 \[Mus musculus \]](#)

Official Symbol

IL18

Synonyms

IL18; interleukin 18; interleukin-18; IL-1 gamma; interleukin-1 gamma; IFN-gamma-inducing factor; interferon gamma-inducing factor; interferon-gamma-inducing factor; Igif; Il-18;

Gene ID

[16173](#)

mRNA Refseq

[NM_008360](#)

Protein Refseq

[NP_032386](#)

Pathway

African trypanosomiasis, organism-specific biosystem; African trypanosomiasis, conserved biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Cytosolic DNA-sensing pathway, organism-specific biosystem; Cytosolic DNA-sensing pathway, conserved biosystem; Hypertrophy Model, organism-specific biosystem;

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Function

cytokine activity;

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