

Recombinant Mouse Interleukin-18 (rm IL-18)

Synonyms: Interferon-gamma-inducing factor, IGIF, IL-1g, IL-18, IL1F4, MGC12320, IFN-gamma-inducing factor, Interleukin-1 gamma, IL-1 gamma, Iboctadekin, Il18.

Introduction: IL-18 is a proinflammatory cytokine. This cytokine can induce the IFN-gamma production of T cells. The combination of this cytokine and IL12 has been shown to inhibit IL4 dependent IgE and IgG1 production and enhance IgG2a production of B cells. IL-18 binding protein (IL18BP) can specifically interact with this cytokine and thus negatively regulate its biological activity.

Description: Recombinant mouse IL-18 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 178 amino acids (36-192 a.a.) and having a molecular mass of 20.4 kDa. The mouse IL-18 is fused to 20 amino acids His Tag at N-terminus and purified by proprietary chromatographic techniques.

Source: *Escherichia Coli*.

Physical Appearance: Sterile Filtered colorless liquid formulation.

Formulation: The mouse IL-18 protein solution contains 20mM Tris pH-8 and 10% glycerol.

Solubility: Store at 4°C if entire vial will be used within 2- 4 weeks. Store frozen at -20°C for longer periods of time. **Please avoid freeze thaw cycles.**

Purity: Greater than 90.0% as determined by SDS-PAGE.

Amino Acid Sequence: MGSSHHHHH SSGLVPRGSH MNFGRLHCTT AVIRNINDQV LFVDKRQPVF EDMTDIDQSA SEPQTRLIIY MYKDSEVRGL AVTLVKDSK MSTLSCKNKI ISFEEMDPPE NIDDIQSDLI FFQKRVPGHN KMEFESSLYE GHFLACQKED DAFKLILKKK DENGDKSVMF TLTNLHQS.

This material is offered for **research only**. Not for use in human. For in vitro use only. ImmunoTools will not be held responsible for patent infringement or other violations that may occur with the use of our products.

<i>small</i>	5 µg	Cat.N°	12340180
<i>medium</i>	25 µg	Cat.N°	12340184
<i>large</i>	100 µg	Cat.N°	12340186

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