

**Biotin Labeled Mouse Anti-Human IL-18 Monoclonal Antibody Datasheet****Product Name:** Biotin labeled mAb, anti-Human IL-18 **Clone No.:** 10H4**Catalogue No.:** MO-C40094TB**Quantity:**

<b>Description:</b>	Biotin labeled mouse monoclonal antibody to human interleukin-18 (IL-18).
<b>Product Type:</b>	Tracer, <b>Biotin-labeled detector antibody</b> in matched antibody pair
<b>Purification:</b>	Protein G affinity purified
<b>Target Protein:</b>	Human IL-18
<b>Immunogen:</b>	Purified recombinant human IL-18
<b>Fusion Myeloma:</b>	SP2/0
<b>Specificity:</b>	Reactive with human IL-18
<b>Species Reactivity:</b>	Human, others not tested
<b>Host / Isotype:</b>	Mouse, IgG2b Kappa
<b>Formulation:</b>	In pH 7.2, 0.01M PBS containing 0.5% gelatin.
<b>Storage:</b>	Store at -20°C. Avoid freeze-thaw cycles
<b>Research Area:</b>	Cytokine. Inflammatory diseases
<b>Background:</b>	IL-18, also known as interferon- inducing factor, is a pro-inflammatory cytokine produced by macrophage and other cells. Like interleukin-12, the expression of IL-18 can be stimulated by bacterial protein lipopolysaccharide (LPS) and can induce the production of interferon- $\gamma$ by natural killer cells and certain T-cells. It

has also been shown that IL-18 can inhibit the IL-4 dependent IgE and IgG1 production and increase IgG2a expression by B-cells. An interleukin-18-binding protein that is expressed by mononuclear cells, can bind IL-18 and inhibit its pro-inflammatory function. It has been reported that IL-18 is implicated in Hashimoto's thyroiditis, age-related macular degeneration and Alzheimer's disease.

**Applications:** **Sandwich ELISA:** In combination with IL-18 capture antibody clone 2A10 (Cat. No.: MO-C40094A), this biotin labeled anti-human IL-18 antibody clone 10H4 can be used for quantitative detection of IL-18 levels. The detection limit is around 3.2 pg/mL.

**References:** If research is published using this product, please inform Anogen in order to cite the reference on this datasheet. Anogen will provide one unit of product in the same category as gratitude.

This product is for **LABORATORY RESEARCH USE** and further manufacture **ONLY**, and cannot be administrated to human and animals for use in diagnostic and therapeutic procedures.

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