



## Mouse Anti-Human IL-18 Monoclonal Antibody Datasheet

**Product Name:** mAb anti-Human IL-18

**Clone No.:** 2A10

**Lot No.:**

**Catalogue No.:** MO-C40094A

**Quantity:** 0.5 mg

**Expiration:**

**Description:** Mouse monoclonal antibody to human interleukin-18 (IL-18)

**Product Type:** Primary antibody, **capture antibody** in matched antibody pair

**Purification:** Protein G affinity purified

**Target Protein:** Human IL-18

**Immunogen:** Purified recombinant human IL-18

**Fusion** SP2/0

**Myeloma:**

**Specificity:** Reactive with human IL-18

**Species** Human, others not tested

**Reactivity:**

**Host / Isotype:** Mouse, IgG1 Kappa

**Formulation:** Lyophilized from a solution in 0.01M PBS, pH 7.0

**Reconstitution:** Double distilled water is recommended to reconstitute the antibody to 1mg/ml

**Storage:** Store at -20°C

**Research Area:** Cytokine. Inflammatory diseases

**Background:** 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 human IL-18 detection antibody (clone 10H4, Cat. No.: MO-C40094B), this IL-18 antibody clone 2A10 can be used as capture antibody in Sandwich ELISA application for quantitative measurement of IL-18.

**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.

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