



Mouse Anti-Human IL-18 Monoclonal Antibody Datasheet

Product Name: mAb anti-Human IL-18

Clone No.: 10H4

Lot No.:

Catalogue No.: MO-C40094B

Quantity: 0.5 mg

Expiration:

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

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

Purification: Protein G affinity purified

Target Protein: Human IL-18

Immunogen: Purified recombinant human IL-18

Fusion Myeloma: SP2/0

Specificity: Reactive with human IL-18

Species Reactivity: Human, others not tested

Host / Isotype: Mouse, IgG2b 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- γ 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:** When Elisa plate is coated with IL-18 antibody clone 2A10 (Cat. No.: MO-C40094A), anti-human IL-18 antibody clone 10H4 can detect IL-18 levels in Sandwich ELISA application.

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.

Manufactured by ANOGEN - A Division of YES Biotech Laboratories Ltd.