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Mouse Anti-Human IL-6 Monoclonal Antibody Datasheet

Product Name: mAb anti-Human IL-6

Clone No.: 1E3

Catalogue No.: MO-C40091F

Quantity: 0.5 mg/vial

Description: Mouse monoclonal antibody to human interleukin 6 (IL-6)

Purification: Protein G affinity purified

Target Protein: Human IL-6

Immunogen: Purified recombinant human IL-6

Fusion Myeloma: F0

Specificity: The antibody is reactive with natural and recombinant human IL-6.

Species Reactivity: Human, others not tested

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.

Storage: Store at -20°C

Research Area: Cytokine, growth factor, inflammatory and autoimmune diseases

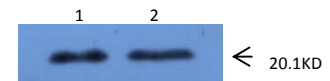
Background: IL-6, also called B-cell stimulatory factor-2 (BSF-2), is an important cytokine for the differentiation of B-cells into immunoglobulin-secreting cells. IL-6 is mainly produced by T-cells, macrophages and endothelial cells in response to pathogenic molecular stimuli during infection, trauma and the growth phase of some types of cancer. IL-6 is up-regulated by the binding of Toll-like receptors to antigen pattern ligands. In acute

inflammatory phase, IL-6 causes increased body temperature by initiating synthesis of Prostaglandin E2 in hypothalamus.

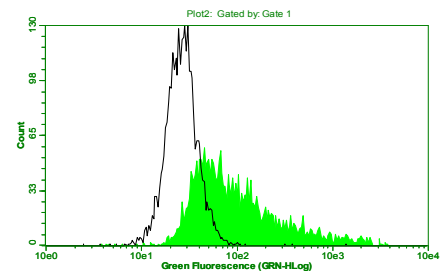
Applications:

ELISA: The antibody reacts with recombinant IL-6 antigen.

Western blot: The antibody when used at 200ng/mL can recognize 50ng/lane of recombinant human IL-6 (rhIL-6) on blot. Lane 1&2: rhIL-6 loaded at 50ng/lane



Fluorescence flow cytometry:



Above is the histogram of IL-6 transfected 293T cells stained with IL-6 mAb 1E3 (10µg/mL) and fluorescence-labelled secondary antibody. Black line represents the histogram of IL-6 transfected 293T stained with isotype control, mouse anti-TB 38Kd antigen mAb clone B12F8 (Cat. No. MO-I40021D).

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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