



## ANOGEN - A Division of YES Biotech Laboratories Ltd.

2355 Derry Road East, Unit 23, Mississauga, ON, Canada L5S 1V6 • Tel: (905) 677-9221 • Fax: (905) 677-0023

### Mouse Anti-Human IL-6 Monoclonal Antibody Datasheet

**Product Name:** mAb anti-Human IL-6

**Clone No.:** 1B6

**Catalogue No.:** MO-C40091E

**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:** 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 adjust final concentration to 1mg/mL.

**Storage:** Store at -20 °C

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

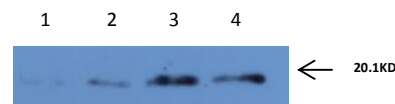
**Background:** IL-6, also called B-cell stimulatory factor-2 (BSF-2), is an important cytokine for the differentiation of B-cells into immunoglobulin-secreting cells. IL-6 is mainly produced by T-cells, macrophages and endothelial cells in

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.

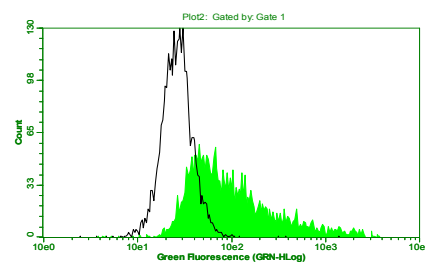
#### Applications:

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

**Western blot:** The antibody when used at 200ng/mL, can recognize 25ng/lane recombinant human IL-6 (rhIL-6) on blot. Lane 1 and 2: rhIL-6 loaded at 25ng/lane, Lane 3 and 4: rhIL-6 loaded at 50ng/lane.



#### Fluorescence flow cytometry:



Above is the histogram of IL-6 transfected 293T cells stained with IL-6

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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mAb 1B6 (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.

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