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IL-6 Anti-Human Antibody (Clone AT1F10)

单克隆抗体

产品货号: MA01438

第三版

**免疫原:** Recombinant human Interleukin 6 (30-212aa) purified from E. coli

**亚型:** IgG1,k

**克隆:** AT1F10

**描述:** Interleukin-6, or IL-6, is a multifunctional protein, 212 amino acids in length that plays critical roles in host defense, immune response and hematopoiesis. Interleukin-6 (IL-6) produced by T cells, macrophages, fibroblasts, endothelial and other cells. IL-6 induces proliferation or differentiation in many cell types including B cells, thymocytes and T cells. IL-6, in concert with TGF- $\beta$ , is important for developing Th17 responses. The IL-6 receptor is a trimeric complex composed of an IL-6-specific  $\alpha$  chain and a homodimer of the gp130 glycoprotein common to the IL-6, IL-11, CNTF, OSM and LIF receptors. Stimulation with IL-6 leads to gp130 homodimerization and the activation of associated kinases JAK1 and JAK2. Once activated, JAK1 and JAK2 phosphorylate Stat3, causing its nuclear translocation and transcription of Stat3-responsive genes. IL-6 has also been shown to activate the Ras/MAP kinase pathway, which regulates NFIL6 transcription.

**配方:** Liquid. In Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% Glycerol.

**浓度:** 1mg/ml

**保存:** +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.

**应用:** ELISA, WB, ICC/IF