# IL-6 Rabbit mAb

Catalog No.: A22222 Recombinant 14 Publications



## **Basic Information**

### **Observed MW**

21-28 kDa

### **Calculated MW**

21-24 kDa

### Category

Primary antibody

### **Applications**

WB, ELISA

#### **Cross-Reactivity**

Human

#### CloneNo number

ARC5093-01

## **Background**

This gene encodes a cytokine that functions in inflammation and the maturation of B cells. In addition, the encoded protein has been shown to be an endogenous pyrogen capable of inducing fever in people with autoimmune diseases or infections. The protein is primarily produced at sites of acute and chronic inflammation, where it is secreted into the serum and induces a transcriptional inflammatory response through interleukin 6 receptor, alpha. The functioning of this gene is implicated in a wide variety of inflammation-associated disease states, including suspectibility to diabetes mellitus and systemic juvenile rheumatoid arthritis. Elevated levels of the encoded protein have been found in virus infections, including COVID-19 (disease caused by SARS-CoV-2).

## **Recommended Dilutions**

WB 1:1000 - 1:2000

**ELISA** 

Recommended starting concentration is 1 µg/mL.
Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

**Gene ID**3569

Swiss Prot
P05231

#### **Immunogen**

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### **Synonyms**

CDF; HGF; HSF; BSF2; IL-6; BSF-2; IFNB2; IFN-beta-2; IL6

## **Contact**

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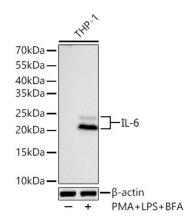
### **Product Information**

SourceIsotypePurificationRabbitIgGAffinity purification

## Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



Western blot analysis of lysates from THP-1 cells using IL-6 Rabbit mAb (A22222) at 1:1000 dilution incubated overnight at 4°C. THP-1 cells were treated with PMA(80 nM) at 37°C for overnight, LPS (1  $\mu$ g/mL) and BFA (300 ng/mL) at 37°C for 6 hours.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 30 µg per lane.

Blocking buffer: 3 % nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 90 s.