

# IL-6 Rabbit mAb

**Catalog No.: A27935** Recombinant

## Basic Information

**Observed MW**

24 kDa

**Calculated MW**

24 kDa

**Category**

Primary antibody

**Applications**

WB,IP,IF/ICC,ELISA

**Cross-Reactivity**

Mouse, Rat

**CloneNo number**

ARC73456

## Background

Enables cytokine activity and interleukin-6 receptor binding activity. Involved in several processes, including cellular response to cytokine stimulus; positive regulation of cell communication; and positive regulation of metabolic process. Located in extracellular space. Used to study several diseases, including acute necrotizing pancreatitis; disseminated intravascular coagulation; hypertension (multiple); impotence; and steatotic liver disease. Biomarker of several diseases, including acute necrotizing pancreatitis; artery disease (multiple); auditory system disease (multiple); gastrointestinal system cancer (multiple); and lung disease (multiple). Human ortholog(s) of this gene implicated in several diseases, including autoimmune disease (multiple); eye disease (multiple); gastrointestinal system cancer (multiple); glucose metabolism disease (multiple); and periodontal disease (multiple). Orthologous to human IL6 (interleukin 6).

## Recommended Dilutions

**WB** 1:1000 - 1:5000

**IP** 0.5 µg-4 µg antibody for  
900 µg-1100 µg extracts  
of whole cells

**IF/ICC** 1:200 - 1:800

**ELISA** Recommended starting  
concentration is 1 µg/mL.  
Please optimize the  
concentration based on  
your specific assay  
requirements. For high-  
ratio antibody dilutions  
(≥1:10000) a sequential  
dilution method is  
strongly recommended  
to ensure measurement  
accuracy.

## Immunogen Information

**Gene ID**

24498

**Swiss Prot**

P20607

**Immunogen**

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

**Synonyms**

ILg6; Ifnb2

## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

Affinity 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.

## Contact

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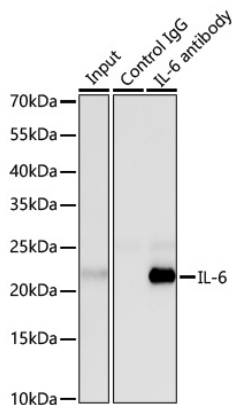
 | 400-999-6126

 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

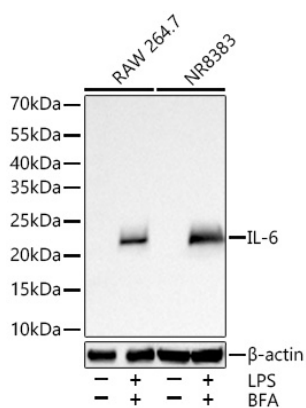
 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

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## Validation Data



Immunoprecipitation of IL-6 from 1000  $\mu$ g extracts of NR8383 cells treated with LPS (100 ng/ml, 24 h) and BFA (1  $\mu$ g/ml, 6 h) was performed using 1  $\mu$ g of IL-6 Rabbit mAb (A27935). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x reducing Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using IL-6 Rabbit mAb (A27935) at a dilution of 1:10000.



Western blot analysis of various lysates using IL-6 Rabbit mAb (A27935) at 1:5000 dilution incubated overnight at 4°C. RAW 264.7 cells and NR8383 cells were treated with LPS (1  $\mu$ g/mL) and BFA (300 ng/mL) for 8 hours.

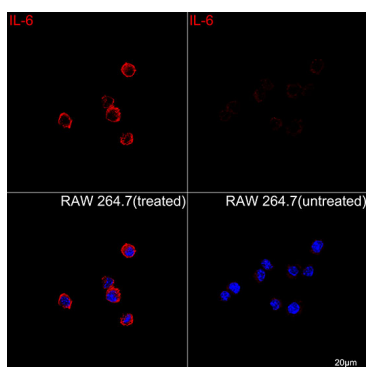
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 30  $\mu$ g per lane.

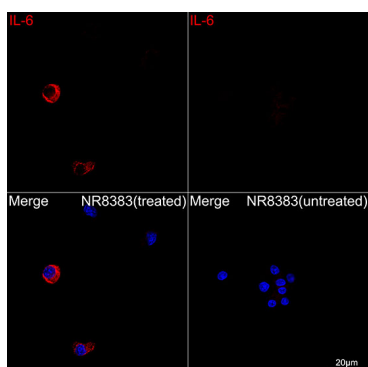
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 45 s.



Confocal imaging of RAW 264.7 cells (treated with LPS and BFA) and RAW 264.7 cells (untreated) using IL-6 Rabbit mAb (A27935, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of NR8383 cells (treated with LPS and BFA) and NR8383 cells (untreated) using IL-6 Rabbit mAb (A27935, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.