

# IL2 Rabbit mAb

**Catalog No.: A20224** Recombinant

## Basic Information

**Observed MW**

14kDa/15kDa/16kDa/18kDa

**Calculated MW**

18kDa

**Category**

Primary antibody

**Applications**

WB,FC,ELISA

**Cross-Reactivity**

Human

**CloneNo number**

ARC5130-01

## Background

This gene is a member of the interleukin 2 (IL2) cytokine subfamily which includes IL4, IL7, IL9, IL15, IL21, erythropoietin, and thrombopoietin. The protein encoded by this gene is a secreted cytokine produced by activated CD4+ and CD8+ T lymphocytes, that is important for the proliferation of T and B lymphocytes. The receptor of this cytokine (IL2R) is a heterotrimeric protein complex whose gamma chain is also shared by IL4 and IL7. The expression of this gene in mature thymocytes is monoallelic, which represents an unusual regulatory mode for controlling the precise expression of a single gene. The targeted disruption of a similar gene in mice leads to ulcerative colitis-like disease, which suggests an essential role of this gene in the immune response to antigenic stimuli.

## Recommended Dilutions

**WB** 1:500 - 1:1000

**FC** 1:50 - 1:200

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

## Immunogen Information

**Gene ID**

3558

**Swiss Prot**

P60568

**Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 1-153 of human IL2 (NP\_000577.2).

**Synonyms**

IL-2; TCGF; lymphokine; IL2

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

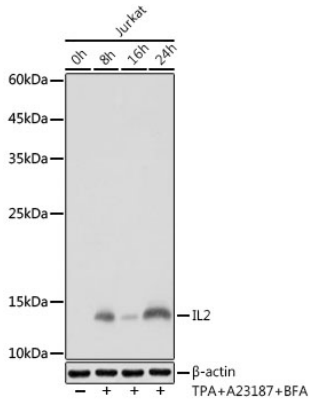
Affinity purification

**Storage**

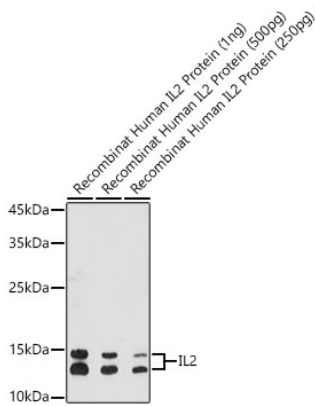
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

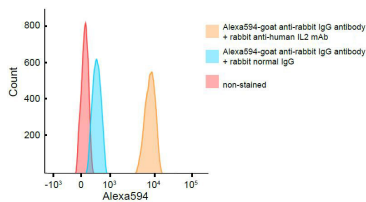
## Validation Data



Western blot analysis of lysates from Jurkat cells, using IL2 Rabbit mAb (A20224) at 1:1000 dilution. Jurkat cells were treated by TPA (40 nM), A23187 (2 $\mu$ M) and Brefeldin A (300 ng / ml) for 0-24 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 $\mu$ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



Western blot analysis of Recombinant Human IL-2 Protein (RP01039) using IL2 Rabbit mAb (A20224) at 1:3000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 250pg - 1ng per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



Flow cytometry was performed with Jurkat cells.