



[Go to Product page](#)

Datasheet for ABIN7267993

## anti-IL-2 antibody

### 3 Images

#### Overview

|              |   |
|--------------|---|
| Quantity:    | 100 µL  |
| Target:      | IL-2 (IL2)  |
| Reactivity:  | Human   |
| Host:        | Rabbit  |
| Clonality:   | Monoclonal  |
| Conjugate:   | This IL-2 antibody is un-conjugated                 |
| Application: | Western Blotting (WB), ELISA, Flow Cytometry (FACS) |

#### Product Details

|                   |                                   |
|-------------------|-----------------------------------|
| Purpose:          | IL2 Rabbit mAb                    |
| Immunogen:        | Recombinant protein of human IL2. |
| Isotype:          | IgG                               |
| Cross-Reactivity: | Human                             |
| Characteristics:  | Monoclonal Antibodies             |
| Purification:     | Affinity purification             |

#### Target Details

|                   |  |
|-------------------|--|
| Target:           | IL-2 (IL2)   |
| Alternative Name: | IL2 ( <a href="#">IL2 Products</a> )   |
| Background:       | The protein encoded by this gene is a secreted cytokine that is important for the proliferation of |

## Target Details

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T and B lymphocytes. The receptor of this cytokine is a heterotrimeric protein complex whose gamma chain is also shared by interleukin 4 (IL4) and interleukin 7 (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.,IL2,IL-2,TCGF,lymphokine,Cell Biology & Developmental Biology,Apoptosis,Growth factor,Immunology & Inflammation,Cytokines,Interleukins,Cell Intrinsic Innate Immunity Signaling Pathway,IL2

Molecular Weight: 17kDa

Gene ID: 3558

UniProt: [P60568](#)

Pathways: [JAK-STAT Signaling](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#), [Activated T Cell Proliferation](#)

## Application Details

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Application Notes: Elisa,1:500 - 1:2000,WB,1:500 - 1:2000,FC,1:50 - 1:200

Restrictions: For Research Use only

## Handling

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Format: Liquid

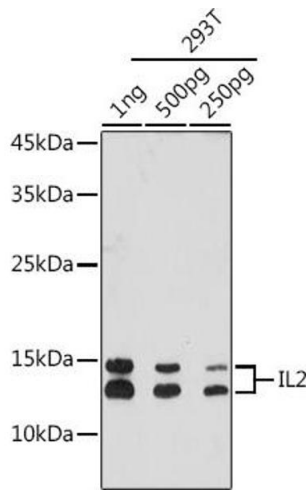
Buffer: PBS with 0.02 % Thimerosal, pH 7.3.

Preservative: Thimerosal (Merthiolate)

Precaution of Use: This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

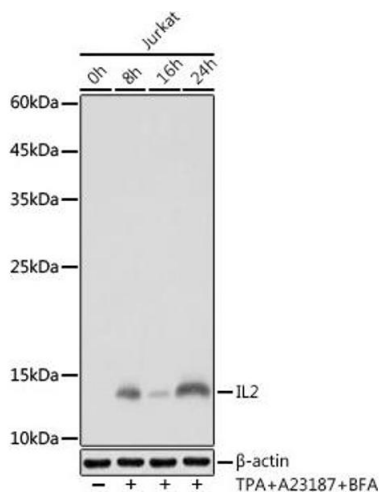
Storage: 4 °C

Storage Comment: Store at 4°C. Avoid freeze / thaw cycles.



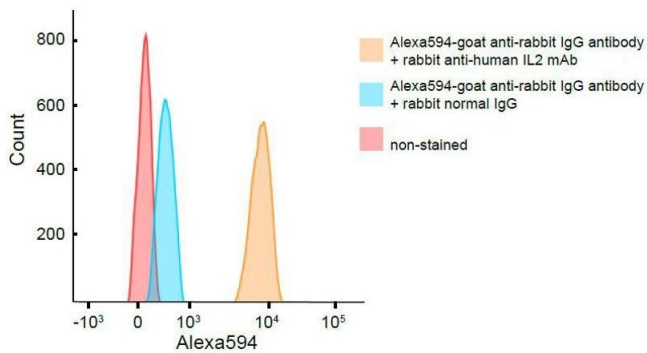
### Western Blotting

**Image 1.** Western blot analysis of extracts of 293T cells, using IL2 antibody (ABIN7267993) at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



### Western Blotting

**Image 2.** Western blot analysis of extracts of Jurkat cells, using IL2 antibody (ABIN7267993) at 1:1000 dilution. Jurkat cells were treated by TPA (40 nM), (2µM) and Brefeldin A (300 ng / ml) for 0-24hours. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



### Flow Cytometry

**Image 3.** Flow cytometry was performed with Jurkat cells.