

A20224

Leader in Biomolecular Solutions for Life Science



IL2 Rabbit mAb

Catalog No.: A20224

Recombinant

Basic Information

Observed MW

14kDa/15kDa/16kDa/18kDa

Calculated MW

18kDa

Category

SMab Recombinant Monoclonal
Antibody

Applications

WB,FC,ELISA

Cross-Reactivity

Human

CloneNo number

ARC5130-01

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.

Contact



www.abclonal.com

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.

Immunogen Information

Gene ID

3558

Swiss Prot

P60568

Immunogen

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

Synonyms

IL-2; TCGF; lymphokine; IL2

Product Information

Source

Rabbit

Isotype

IgG

Purification

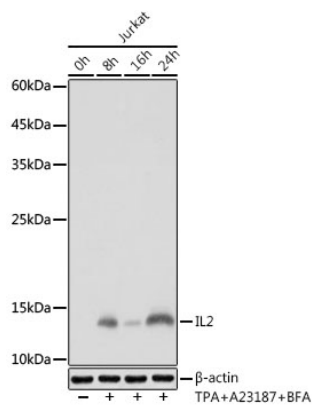
Affinity purification

Storage

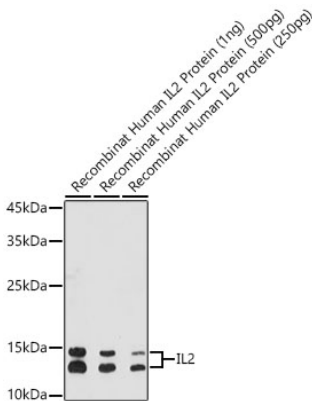
Store at -20°C. Avoid freeze / thaw cycles.

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.

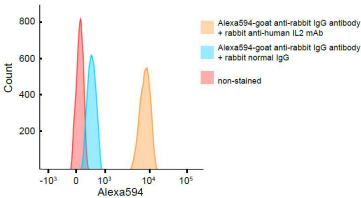
Validation Data



Western blot analysis of lysates from Jurkat cells, using IL2 Rabbit mAb (A20224) at 1:1000 dilution. Jurkat cells were treated with TPA (40 nM), A23187 (2 μM) 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 μg 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.