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# PE Rabbit anti-Human IL-2 mAb

**Catalog No.: A27424**

## Basic Information

**Observed MW**

**Calculated MW**
18kDa

**Category**
Primary antibody

**Applications**
FC  (intra)

**Cross-Reactivity**
Human

**CloneNo number**
ARC71803

**Conjugate**
PE. Ex:565nm. Em:574nm.

## 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

| | |
|---|---|
| **FC (intra)** | 5 µl per 10^6 cells in 100 µl volume |

## 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

## Contact


400-999-6126

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## Product Information

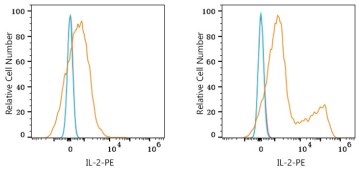
**Source**
Rabbit

**Isotype**
IgG

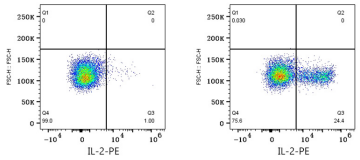
**Purification**
Affinity purification

**Storage**
Store at 2-8℃. Avoid freeze.
Buffer: PBS with 0.09% Sodium azide,0.2% BSA,pH7.3.

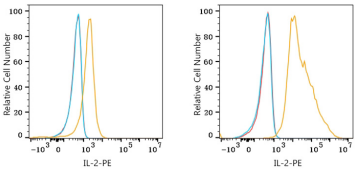
## Validation Data



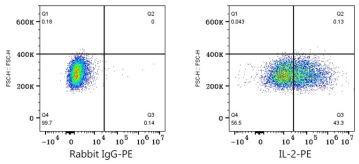

Flow cytometry: 1X10^6 Human PBMC (untreated,left) and Human PBMC (treated with PMA and calcium ionophore, in the presence of Protein Transport Inhibitor,right) were intracellularly-stained with PE Rabbit anti-Human IL-2 mAb (A27424,5 µl/Test,orange line) or PE Rabbit IgG isotype control (A24172,5 µl/Test,blue line). Non-fluorescently stained cells were used as blank control (red line). Cells in the lymphocyte gate were used for analysis.



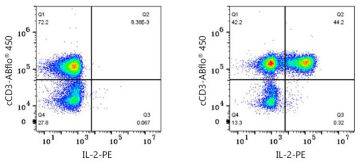

Flow cytometry: 1X10^6 Human PBMC (untreated,left) and Human PBMC (treated with PMA and calcium ionophore, in the presence of Protein Transport Inhibitor,right) were intracellularly-stained with PE Rabbit anti-Human IL-2 mAb (A27424,5 µl/Test). Cells in the lymphocyte gate were used for analysis.




Flow cytometry: 1X10^6 293T cells (negative control,left) and 293T (Transfection,right) cells were intracellularly-stained with PE Rabbit anti-Human IL-2 mAb (A27424,5 µl/Test,orange line) or PE Rabbit IgG isotype control (A24172,5 µl/Test,blue line). Non-fluorescently stained cells were used as blank control (red line).




Flow cytometry: 1X10^6 293T (Transfection) cells were intracellularly-stained with PE Rabbit IgG isotype control (A24172,5 µl/Test,left) or PE Rabbit anti-Human IL-2 mAb (A27424,5 µl/Test,right).




Flow cytometry: 1X10^6 Human PBMC (untreated,left) and Human PBMC (treated with 50ng/ml PMA + 1µg/ml Ionomycin + 2uM Monensin for 6 hours,right) were intracellularly-stained with ABflo® 450 Rabbit anti-Human cCD3 mAb (A27836,5 µl/Test) or PE Rabbit anti-Human IL-2 mAb (A27424,5 µl/Test).