

ABflo® 488 Rabbit anti-Human IL-2 mAb

Catalog No.: A27426

Basic Information

Observed MW

Calculated MW

18kDa

Category

Primary antibody

Applications

FC (intra)

Cross-Reactivity

Human

CloneNo number

ARC71803

Conjugate

ABflo® 488. Ex:491nm. Em:516nm.

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 10⁶ 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

✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

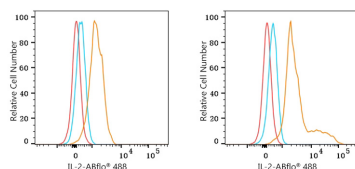
Affinity purification

Storage

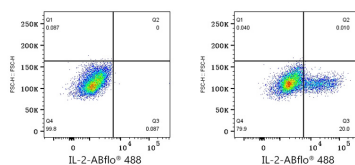
Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

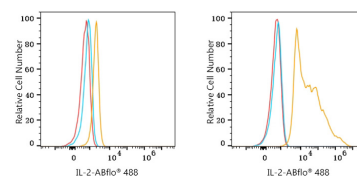
Validation Data



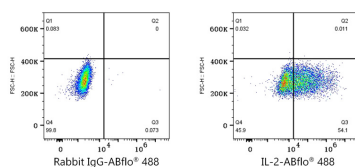
Flow cytometry: 1×10^6 Human PBMC (untreated, left) and Human PBMC (treated with PMA and calcium ionophore, in the presence of Protein Transport Inhibitor, right) were intracellularly-stained with ABflo® 488 Rabbit anti-Human IL-2 mAb (A27426, 5 μ l/Test, orange line) or ABflo® 488 Rabbit IgG isotype control (A22069, 5 μ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line). Cells in the lymphocyte gate were used for analysis.



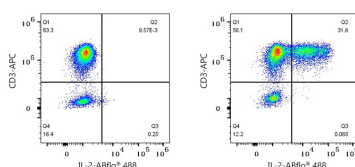
Flow cytometry: 1×10^6 Human PBMC (untreated, left) and Human PBMC (treated with PMA and calcium ionophore, in the presence of Protein Transport Inhibitor, right) were intracellularly-stained with ABflo® 488 Rabbit anti-Human IL-2 mAb (A27426, 5 μ l/Test). Cells in the lymphocyte gate were used for analysis.



Flow cytometry: 1×10^6 293T cells (negative control, left) and 293T (Transfection, right) cells were intracellularly-stained with ABflo® 488 Rabbit anti-Human IL-2 mAb (A27426, 5 μ l/Test, orange line) or ABflo® 488 Rabbit IgG isotype control (A22069, 5 μ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1×10^6 293T (Transfection) cells were intracellularly-stained with ABflo® 488 Rabbit IgG isotype control (A22069, 5 μ l/Test, left) or ABflo® 488 Rabbit anti-Human IL-2 mAb (A27426, 5 μ l/Test, right).



Flow cytometry: 1×10^6 Human PBMC (untreated, left) and Human PBMC (treated with 50 ng/ml PMA and 1 μ g/ml ionomycin for 6 hours and 2 μ M Monensin for last 5 hour, right) were intracellularly-stained with APC Rabbit anti-Human CD3 (A27111, 5 μ l/Test) and ABflo® 488 Rabbit anti-Human IL-2 mAb (A27426, 0.25 μ g).