

PE Rabbit anti-Human IL-10 mAb

Catalog No.: A29519

Basic Information

Observed MW

Calculated MW
21kDa

Category
Primary antibody

Applications
FC (intra)

Cross-Reactivity
Human

CloneNo number
ARC84183

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

Background

The protein encoded by this gene is a cytokine produced primarily by monocytes and to a lesser extent by lymphocytes. This cytokine has pleiotropic effects in immunoregulation and inflammation. It down-regulates the expression of Th1 cytokines, MHC class II Ags, and costimulatory molecules on macrophages. It also enhances B cell survival, proliferation, and antibody production. This cytokine can block NF-kappa B activity, and is involved in the regulation of the JAK-STAT signaling pathway. Knockout studies in mice suggested the function of this cytokine as an essential immunoregulator in the intestinal tract. Mutations in this gene are associated with an increased susceptibility to HIV-1 infection and rheumatoid arthritis.

Recommended Dilutions

FC (intra) 5 µl per 10⁶ cells in 100 µl volume

Immunogen Information

Gene ID 3586	Swiss Prot P22301
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Immunogen

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

Synonyms

CSIF; TGIF; GVHDS; IL-10; IL10A

Contact

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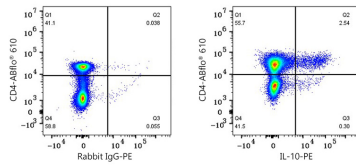
Product Information

Source Rabbit	Isotype IgG	Purification Affinity purification
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Storage

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

Validation Data



Flow cytometry: 1X10⁶ Human PBMC (untreated, left) and Th2-polarized Human PBMC (treated with 50ng/ml PMA + 1ug/ml Ionomycin + 5ug/ml Brefeldin A for 6 hours, right) were surface-stained with ABflo® 610 Rabbit anti-Human/Monkey CD4 mAb (A26218, 5 µl/Test), and then intracellularly-stained with PE Rabbit IgG isotype control (A24172, 5 µl/Test, left) or PE Rabbit anti-Human IL-10 mAb (A29519, 5 µl/Test, right). Cells in the lymphocyte gate were used for analysis.