

APC Rabbit anti-Mouse IL4 mAb

Catalog No.: A28267

Basic Information

Observed MW

Calculated MW

16 kDa

Category

Primary antibody

Applications

FC (intra)

Cross-Reactivity

Mouse

CloneNo number

ARC56653

Conjugate

APC. Ex:650nm. Em:660nm.

Background

Enables cytokine activity. Involved in several processes, including innate immune response in mucosa; negative regulation of white fat cell proliferation; and regulation of gene expression. Acts upstream of or within several processes, including T-helper cell differentiation; positive regulation of macromolecule metabolic process; and regulation of leukocyte activation. Located in external side of plasma membrane and extracellular space. Is expressed in several structures, including brain; colon; hemolymphoid system; liver; and placenta. Used to study Sjogren's syndrome; atopic dermatitis; and type 1 diabetes mellitus. Human ortholog(s) of this gene implicated in several diseases, including asthma (multiple); autoimmune disease (multiple); hepatitis B; hepatitis C; and pancreatic cancer (multiple). Orthologous to human IL4 (interleukin 4).

Recommended Dilutions

FC (intra) ≤0.5 µg per million cells
in 100 µl volume

Immunogen Information

Gene ID

16189

Swiss Prot

P07750

Immunogen

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

Synonyms

IL-4; BSF-1

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

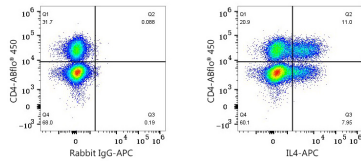
Affinity purification

Storage

Store at 2-8°C. Avoid freeze.

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

Validation Data



Flow cytometry: 1X10⁶ Th2-polarized C57BL/6 mouse splenocytes (treated with 50ng/ml PMA + 1ug/ml Ionomycin + 1ug/ml Brefeldin A or 2uM Monensin for 6 hours) were surface-stained with ABflo® 450 Rabbit anti-Mouse CD4 mAb (A25941, 5 µl/Test) , then intracellularly-stained with APC Rabbit IgG isotype control (A24173, 5 µl/Test, left) and APC Rabbit anti-Mouse IL4 mAb (A28267, 0.5 µg, right).