

ABflo® 647 Rabbit anti-Human Perforin mAb

Catalog No.: A28172

Basic Information

Observed MW

Calculated MW

61 kDa

Category

Primary antibody

Applications

FC

Cross-Reactivity

Human

CloneNo number

ARC76686

Conjugate

ABflo® 647. Ex:648nm. Em:664nm.

Background

This gene encodes a protein with structural similarities to complement component C9 that is important in immunity. This protein forms membrane pores that allow the release of granzymes and subsequent cytolysis of target cells. Whether pore formation occurs in the plasma membrane of target cells or in an endosomal membrane inside target cells is subject to debate. Mutations in this gene are associated with a variety of human disease including diabetes, multiple sclerosis, lymphomas, autoimmune lymphoproliferative syndrome (ALPS), aplastic anemia, and familial hemophagocytic lymphohistiocytosis type 2 (FHL2), a rare and lethal autosomal recessive disorder of early childhood.

Recommended Dilutions

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

Immunogen Information

Gene ID

5551

Swiss Prot

P14222

Immunogen

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

Synonyms

P1; PFP; HPLH2

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

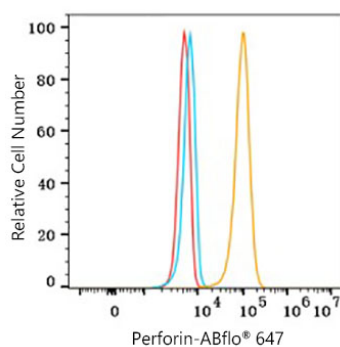
Affinity purification

Storage

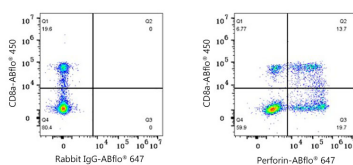
Store at 2-8°C. Avoid freeze.

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

Validation Data



Flow cytometry: 1×10^6 KARPAS-299 cells were surface-stained with ABflo® 647 Rabbit anti-Human Perforin mAb (A28172, 5 μ l/Test, orange line) or ABflo® 647 Rabbit IgG isotype control (A22070, 5 μ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1×10^6 Human PBMC were surface-stained with ABflo® 450 Rabbit anti-Human/Monkey CD8a mAb (A27220, 5 μ l/Test) and ABflo® 647 Rabbit IgG isotype control (A22070, 5 μ l/Test, left) or ABflo® 647 Rabbit anti-Human Perforin mAb (A28172, 5 μ l/Test, Right). Cells in the lymphocyte gate were used for analysis.