

ABflo® 488 Rabbit anti-Human Perforin mAb

Catalog No.: A29384

Basic Information

Observed MW

Calculated MW

Category

Primary antibody

Applications

FC (intra)

Cross-Reactivity

Human

CloneNo number

ARC76686

Conjugate

ABflo® 488. Ex:491nm. Em:516nm.

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

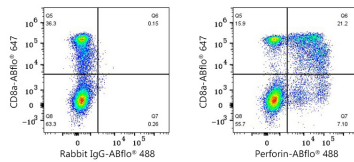
Purification

Affinity purification

Storage

Store at 2-8°C

Validation Data



Flow cytometry: 1X10⁶ Human PBMC were surface-stained with ABflo® 647 Rabbit anti-Human/Monkey CD8a mAb (A23346, 5 µl/Test), then intracellularly-stained with ABflo® 488 Rabbit IgG isotype control (A22069, 5 µl/Test, left) or ABflo® 488 Rabbit anti-Human Perforin mAb (A29384, 5 µl/Test, right). Cells in the lymphocyte gate were used for analysis.