

PE Rabbit anti-Human Perforin mAb

Catalog No.: A28870

Basic Information

Observed MW

Calculated MW

Category

Primary antibody

Applications

FC (intra)

Cross-Reactivity

Human

CloneNo number

ARC76686

Conjugate

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

Background

Perforin is a pore-forming protein, and its transmembrane channel formation mechanism is similar to that of C9. It has been proven that perforin is homologous to C9. Studies have shown that perforin is expressed only in cytotoxic cell lines and not in helper T lymphocytes or other tested tumor cells. It is well known that perforin is a key effector molecule in T cell and natural killer cell-mediated cytotoxicity. Defects in the perforin gene lead to familial hemophagocytic lymphohistiocytosis type 2 (HPLH2), a rare and fatal autosomal recessive genetic disease in early childhood. Alternative splicing leads to multiple transcriptional variants of perforin.

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

HPLH2; P1; PFP

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

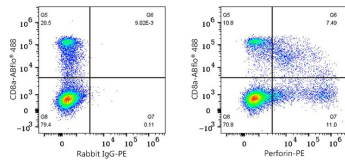
Affinity purification

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 Human PBMC were surface-stained with ABflo® 488 Rabbit anti-Human/Monkey CD8a mAb (A23345,5 µl/Test) and then intracellularly-stained with PE Rabbit IgG isotype control (A24172,5 µl/Test, left) or PE Rabbit anti-Human Perforin mAb (A28870,5 µl/Test, right). Cells in the lymphocyte gate were used for analysis.