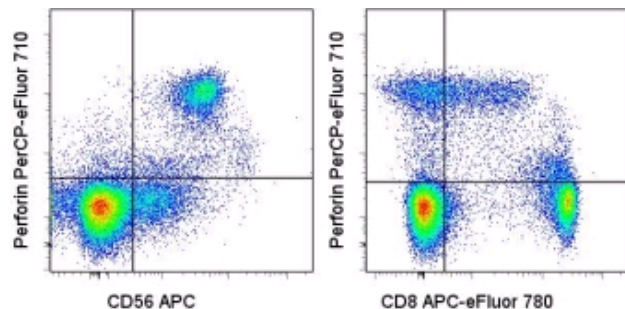


## Anti-Human Perforin PerCP-eFluor® 710

Catalog Number: 46-9994

RUO: For Research Use Only



Intracellular staining of normal human peripheral blood cells with Anti-Human CD56 (NCAM) APC (left) or Anti-Human CD8a APC-eFluor® 780 (cat. 47-0088) (right) and Anti-Human Perforin PerCP-eFluor® 710. Cells in the lymphocyte gate were used for analysis.

### Product Information

Contents: Anti-Human Perforin PerCP-eFluor® 710


**REF** Catalog Number: 46-9994

Clone: dG9 (delta G9)


Concentration: 5 µl (0.03 µg)/test

Host/Isotype: Mouse IgG2b, κ

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

 Temperature Limitation: Store at 2-8°C. Do not freeze. Light sensitive material.

**LOT** Batch Code: Refer to Vial

 Use By: Refer to Vial

### Description

The dG9 antibody clone reacts with human perforin (pore-forming protein, pfp). Perforin is one of the cytolytic mediators present in the cytoplasmic granules of cytotoxic T lymphocytes (CTL) and natural killer cells (NK). Perforin is involved in the killing function by CTLs and NKs and has an important role in the immune response against tumors and virus infections.

### Applications Reported

This dG9 (delta G9) antibody has been reported for use in intracellular staining followed by flow cytometric analysis.

### Applications Tested

This dG9 (delta G9) antibody has been pre-titrated and tested by intracellular staining and flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µl (0.03 µg)/per test. A test is defined as the amount (µg)/test of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test.

PerCP-eFluor® 710 can be used in place of PE-Cy5, PE-Cy5.5 or PerCP-Cy5.5. PerCP-eFluor® 710 emits at 710 nm and is excited with the blue laser (488 nm). Please make sure that your instrument is capable of detecting this fluorochrome. For a filter configuration, we recommend using the 685 LP dichroic mirror and 710/40 band pass filter, however the 695/40 band pass filter is an acceptable alternative.

Our testing indicates that PerCP-eFluor® 710 conjugated antibodies are stable when stained samples are exposed to freshly prepared 2% formaldehyde overnight at 4°C, but please evaluate for alternative fixation protocols.

Click [here](#) or contact eBioscience Technical Support for more information on eFluor® Organic Dyes including PerCP-eFluor® 710.

### References

- M.J. Smyth, et al, (1990) J Exp Med 171: 1269-1281.
- A. Hameed, et al, (1992) Am J Pathol 140: 1025-1030.
- P.L. Jose, et al, (1994) J Immunol 148: 3354-3360.
- B.C. Schlesinger & L. Cheng, (1994) Immunol 81: 291-295.
- C.C. Liu, et al, (1995) Immunol Today 16: 194-201.

### Related Products

17-0569 Anti-Human CD56 (NCAM) APC (MEM188 (MEM-188))

47-0088 Anti-Human CD8a APC-eFluor® 780 (RPA-T8)

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Not for further distribution without written consent.

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