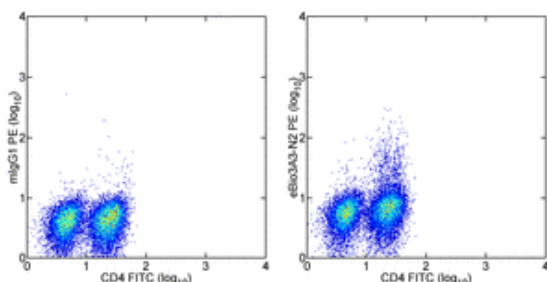


Anti-Human IL-21 PE

Catalog Number: 12-7219

Also Known As: Interleukin-21, IL21

RUO: For Research Use Only



Intracellular staining of normal human peripheral blood cells treated with PMA and Ionomycin in the presence of Brefeldin A for 5 hours with Anti-Human CD4 FITC (cat. 11-0049) and Mouse IgG1 κ Isotype Control PE (cat. 12-4714) (left) or Anti-Human IL-21 PE (right). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human IL-21 PE

REF Catalog Number: 12-7219

Clone: eBio3A3-N2 (3A3-N2)

Concentration: 5 μ l (0.5 μ g)/test

Host/Isotype: Mouse IgG1, 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.



Batch Code: Refer to Vial



Use By: Refer to Vial

Description

The monoclonal antibody eBio3A3-N2 reacts with human IL-21, a potent stimulator of NK and cytolytic T cells. IL-21 is a 131 amino acid protein most closely related to IL-2 and IL-15. Expression is found in CD4+ cells upon activation. In addition to its effect on NK cells, IL-21 stimulates proliferation of B-cell stimulated by crosslinking of the CD40 antigen and stimulates the proliferation of bone marrow progenitor cells and the expression of the NK-cell marker CD56 in the presence of IL-15.

Applications Reported

This eBio3A3-N2 (3A3-N2) antibody has been reported for use in intracellular staining followed by flow cytometric analysis.

Applications Tested

This eBio3A3-N2 (3A3-N2) antibody has been pre-titrated and tested by intracellular staining of restimulated, Th17-polarized normal human peripheral blood cells. This can be used at 5 μ l (0.5 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

Staining for IL-21 has shown donor variability. Stimulation times may vary depending on the donor and should be optimized. Increased staining levels have been observed on Th17-polarized PBMCs. Please contact Technical support at tech@ebioscience.com for additional information.

References

Parrish-Novak J, et al. 2002. Interleukin-21 and the IL-21 receptor: novel effectors of NK and T cell responses. *J Leukoc Biol.* 72(5):856-63.

Parrish-Novak J, et al. 2000. Interleukin 21 and its receptor are involved in NK cell expansion and regulation of lymphocyte function. *Nature.* 408(6808):57-63.

Related Products

12-4714 Mouse IgG1 K Isotype Control PE

88-8419 Human Th17 Cytokine Staining Panel

88-8823 Fixation & Permeabilization Buffers

