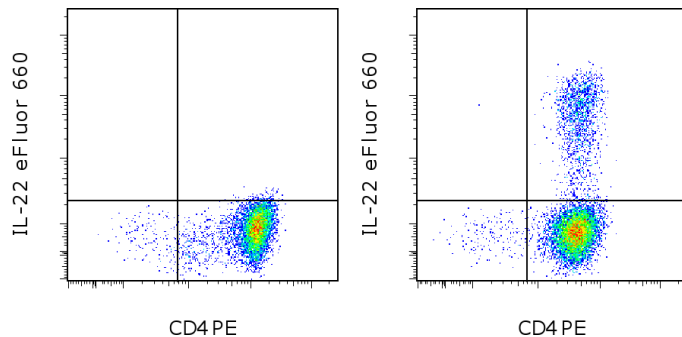


Anti-Human IL-22 eFluor[®] 660 (Alexa Fluor[®] 647 Replacement)

Catalog Number: 50-7229

Also known as: Interleukin-22

RUO: For Research Use Only. Not for use in diagnostic procedures.



CD4-enriched human peripheral blood cells were polarized under Th17 conditions for 10 days. Cells were restimulated with Protein Transport Inhibitor Cocktail (cat. 00-4980) (left) or Cell Stimulation Cocktail plus Protein Transport Inhibitors (cat. 00-4975) (right) for 6 hours. Cells were stained with Fixable Viability Dye eFluor[®] 450 (cat. 65-0863) followed by intracellular staining with Anti-Human CD4 PE (cat. 12-0047) and Anti-Human IL-22 eFluor[®] 660 using the Fixation & Permeabilization Buffers (cat. 88-8823). Viable cells were used for analysis.

Product Information

Contents: Anti-Human IL-22 eFluor[®] 660 (Alexa Fluor[®] 647 Replacement)

REF **Catalog Number:** 50-7229

Clone: 22URTI

Concentration: 5 μ L (0.125 μ g)/test

Host/Isotype: Mouse IgG1, kappa

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



LOT



Description

The 22URTI monoclonal antibody reacts with human interleukin(IL)-22. IL-22 is a 20 kDa member of the IL-10 cytokine family that is secreted primarily by Th17 and NK cells. Nevertheless, other T cells have also been shown to produce IL-22. In *in vitro* Th17 cultures, induction of IL-22 expression is greater in response to IL-23 than IL-6 or TGF beta, suggesting that this cytokine may be secreted by more fully differentiated Th17 cells *in vivo*. A heterodimer consisting of IL-10R2 and IL-22R1 serves as the receptor for IL-22.

Applications Reported

This 22URTI antibody has been reported for use in intracellular staining followed by flow cytometric analysis.

Applications Tested

This 22URTI antibody has been pre-titrated and tested by intracellular staining and flow cytometric analysis of Th17-polarized human peripheral blood cells. This can be used at 5 μ L (0.125 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 10⁵ to 10⁸ cells/test.

eFluor[®] 660 is a replacement for Alexa Fluor[®] 647. eFluor[®] 660 emits at 659 nm and is excited with the red laser (633 nm). Please make sure that your instrument is capable of detecting this fluorochrome.

References

Harper EG, Guo C, Rizzo H, Lillis JV, Kurtz SE, Skorcheva I, Purdy D, Fitch E, Iordanov M, Blauvelt A. Th17 Cytokines Stimulate CCL20 Expression in Keratinocytes In Vitro and In Vivo: Implications for Psoriasis Pathogenesis. *J Invest Dermatol.* 2009 Mar 19.

Hughes T, Becknell B, McClory S, Briercheck E, Freud AG, Zhang X, Mao H, Nuovo G, Yu J, Caligiuri MA. Stage three immature human natural killer cells found in secondary lymphoid tissue constitutively and selectively express the TH17 cytokine interleukin-22. *Blood.* 2009 Feb 24.

Not for further distribution without written consent.

Copyright © 2000-2012 eBioscience, Inc.

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.ebioscience.com • info@ebioscience.com

Anti-Human IL-22 eFluor[®] 660 (Alexa Fluor[®] 647 Replacement)

Catalog Number: 50-7229

Also known as: Interleukin-22

RUO: For Research Use Only. Not for use in diagnostic procedures.

Aujla SJ, Kolls JK. IL-22: A critical mediator in mucosal host defense. *J Mol Med.* 2009 Feb 14.

Bettelli E, Korn T, Oukka M, Kuchroo VK. Induction and effector functions of T(H)17 cells. *Nature.* 2008 Jun 19;453(7198):1051-7.

Related Products

00-4975 Cell Stimulation Cocktail (plus protein transport inhibitors) (500X)

12-0047 Anti-Human CD4 PE (SK3 (SK-3))

12-7179 Anti-Human IL-17A PE (eBio64DEC17)

46-7169 Anti-Human IL-17F PerCP-eFluor[®] 710 (SHLR17)

50-4714 Mouse IgG1 K Isotype Control eFluor[®] 660 (P3.6.2.8.1)

65-0863 Fixable Viability Dye eFluor[®] 450

88-8419 Human Th17 Cytokine Staining Panel

88-8823 Fixation & Permeabilization Buffers

Not for further distribution without written consent.

Copyright © 2000-2012 eBioscience, Inc.

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.ebioscience.com •
info@ebioscience.com