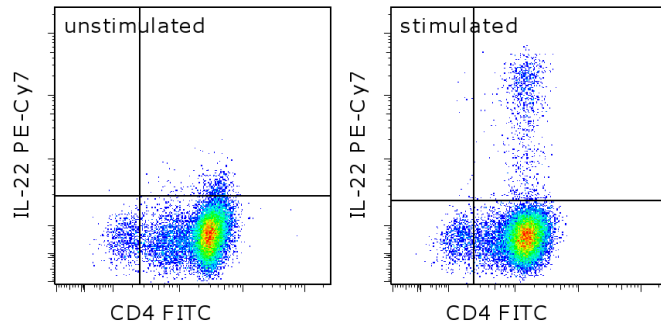


Anti-Human IL-22 PE-Cyanine7

Catalog Number: 25-7229

Also known as: Interleukin-22

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



Staining of Th17-polarized, CD4-enriched normal human peripheral blood cells with Anti-Human CD4 FITC (cat. 11-0049) and Anti-Human IL-22 PE-Cyanine7. Cultures were treated with Protein Transport Inhibitor Cocktail alone (cat. 00-4980) (left) or Cell Stimulation Cocktail (plus protein transport inhibitors) (cat. 00-4975) (right) for 5 hours prior to intracellular staining. Cells in the lymphocyte gate were used for analysis.

Product Information



Contents: Anti-Human IL-22 PE-Cyanine7

Catalog Number: 25-7229

Clone: 22URTI

Concentration: 5 μ L (0.06 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. This tandem dye is sensitive to photo-induced oxidation. Protect this vial from light during storage, handling & experimental procedures.



Batch Code: Refer to vial



Use By: Refer to vial

Contains sodium azide

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 flow cytometric analysis.

Applications Tested

This 22URTI antibody has been pre-titrated and tested by intracellular staining and flow cytometric analysis of human peripheral CD4 cells cultured in Th17 polarizing conditions. This can be used at 5 μ L (0.06 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.

Light sensitivity: This tandem dye is sensitive photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 μ L cell sample + 100 μ L IC Fixation Buffer) or 1-step Fix/Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

References

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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)

00-4980 Protein Transport Inhibitor Cocktail (500X)

00-8222 IC Fixation Buffer

00-8333 Permeabilization Buffer (10X)

11-0048 Anti-Human CD4 FITC (OKT4 (OKT-4))

25-4714 Mouse IgG1 K Isotype Control PE-Cyanine7 (P3.6.2.8.1)

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

51-7179 Anti-Human IL-17A Alexa Fluor[®] 647 (To Be Discontinued. Refer to Replacement Format eFluor[®] 660, cat. 50-7179) (eBio64DEC17)

88-8823 Intracellular Fixation & Permeabilization Buffer (plus Brefeldin A) (previously named IC Fixation & Permeabilization Buffer)

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