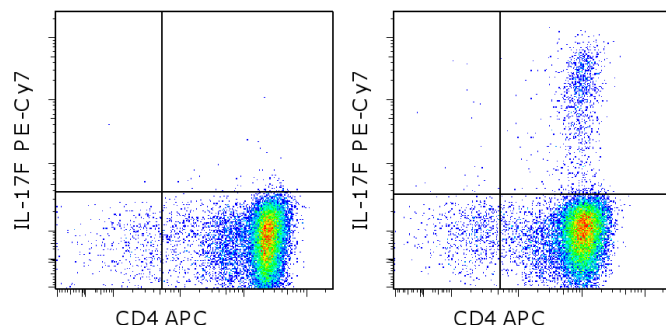


Anti-Human IL-17F PE-Cyanine7

Catalog Number: 25-7169

Also known as: Interleukin-17F

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 APC (cat. 17-0049) and Anti-Human IL-17F 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-17F PE-Cyanine7

Catalog Number: 25-7169

Clone: SHLR17

Concentration: 5 μ L (0.25 μ g)/test

Host/Isotype: Rat 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 SHLR17 monoclonal antibody reacts with human interleukin (IL)-17F. IL-17F is a homodimeric, 34 kDa member of the IL-17 family, which includes IL-17(A), B, C, D, E (IL-25). Within this family, IL-17A and IL-17F are produced preferentially by T helper 17 (Th17) cells, with other members produced more widely. IL-17F and IL-17A have many overlapping functions, but knockout studies have shown each to have independent functions as well. *In vitro* cultured Th17 cells have been shown to express IL-17F and IL-17A homodimers and IL-17A/F heterodimers depending on the culture conditions and their differentiation state. A heterodimer of IL-17RA and IL-17RC has been shown to bind IL-17F, resulting in target cell-secretion of pro-inflammatory cytokines and chemokines, as well as neutrophil recruitment.

Applications Reported

This SHLR17 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This SHLR17 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 (0.25 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

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after fixation can be made, but clone specific performance should be determined empirically.

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Related Products

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

00-8222 IC Fixation Buffer

00-8333 Permeabilization Buffer (10X)

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

11-7179 Anti-Human IL-17A FITC (eBio64DEC17)

12-7169 Anti-Human IL-17F PE (SHLR17)

46-7229 Anti-Human IL-22 PerCP-eFluor® 710 (22URT1)

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