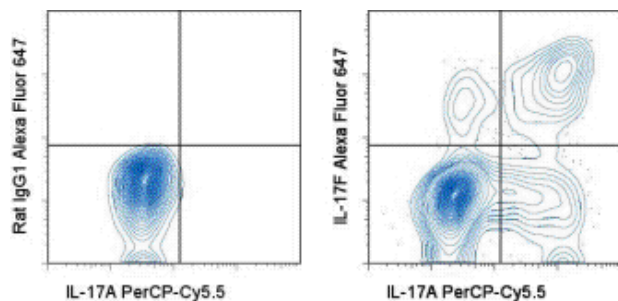


## Anti-Human IL-17F Alexa Fluor® 647 (To Be Discontinued. Refer to Cat. No. 50-7169)

**Catalog Number:** 51-7169

**Also Known As:** Interleukin-17F, IL17F

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



Intracellular Staining of Th17-polarized, CD4-enriched human PBMC untreated (left) or restimulated with PMA/Ionomycin in the presence of Brefeldin A (right) with Anti-Human IL-17A PE (cat. 12-7179) and Anti-Human IL-17F Alexa Fluor® 647 (right).

### Product Information

**Contents:** Anti-Human IL-17F Alexa Fluor® 647 (To Be Discontinued. Refer to Cat. No. 50-7169)


**REF** **Catalog Number:** 51-7169

**Clone:** SHLR17

**Concentration:** 5 µL (0.125 µg)/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.

**LOT** **Batch Code:** Refer to Vial

 **Use By:** Refer to Vial

 **Caution, contains 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 intracellular staining followed by flow cytometric analysis.

### Applications Tested

This SHLR17 antibody has been pre-titrated and tested by intracellular staining followed by flow cytometric analysis of TH17-polarized peripheral blood mononuclear cells. This can be used at 5 µL (0.125 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.

### References

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### Related Products

00-8222 IC Fixation Buffer

00-8333 Permeabilization Buffer (10X)  
12-7179 Anti-Human IL-17A PE (eBio64DEC17)  
12-7219 Anti-Human IL-21 PE (eBio3A3-N2 (3A3-N2))  
48-0049 Anti-Human CD4 eFluor® 450 (RPA-T4)  
51-4301 Rat IgG1 K Isotype Control Alexa Fluor® 647 (To Be Discontinued. Refer to Cat. No. 50-4301)  
51-7229 Anti-Human IL-22 Alexa Fluor® 647 (To Be Discontinued. Refer to Replacement Format eFluor® 660, cat. 50-7229) (22URTI)  
51-7471 Anti-Mouse IL-17F Alexa Fluor® 647 (To Be Discontinued. Refer to Replacement Format eFluor® 660, cat. 50-7471) (eBio18F10)  
88-8419 Human Th17 Cytokine Staining Panel

#### Legal

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