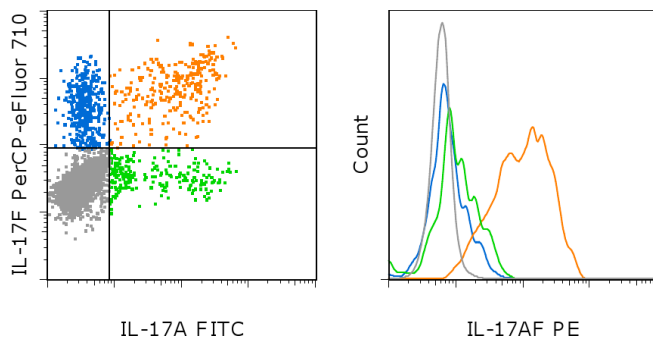


## Anti-Human IL-17AF PE

**Catalog Number:** 12-9179

**Also known as:** Interleukin-17AF

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



Th17-polarized CD4+ PBMC were treated with Cell Stimulation Cocktail plus protein transport inhibitors and then stained with Anti-Human IL-17A FITC (cat. 11-7179), Anti-Human IL-17F PerCP-eFluor 710 (cat. 46-7169) and Anti-Human IL-17AF PE. IL-17A was plotted vs IL-17F (left) and the resulting quadrants (indicated by color) were analyzed for staining of IL-17AF (right).

### Product Information



**Contents:** Anti-Human IL-17AF PE

**Catalog Number:** 12-9179

**Clone:** 20LJS09

**Concentration:** 5 µL (0.5 µg)/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

### Description

The 20LJS09 monoclonal antibody reacts with human interleukin (IL)-17AF heterodimer. This antibody specifically reacts with this heterodimer and has no reactivity for IL-17A or IL-17F homodimers. IL-17A and IL-17F are well-characterized homodimeric cytokines secreted by T helper 17 (Th17) cells, gamma-delta T cells and several subsets of innate lymphoid cells. Somewhat less appreciated, IL-17A and IL-17F subunits can also form the heterodimer, IL-17AF. Together, these three dimers signal through the IL-17RA/IL-17RC receptor complex to mediate immune responses at mucosal interfaces and are found at lesion sites in inflammatory bowel disease, asthma, atopic dermatitis and rheumatoid arthritis.

### Applications Reported

This 20LJS09 antibody has been reported for use in intracellular staining followed by flow cytometric analysis.

### Applications Tested

This 20LJS09 antibody has been pre-titrated and tested on 10 day in vitro-polarized Th17 cells. This can be used at 5 µL (0.5 µg) per test. A test is defined as the amount (µg) 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

Chang SH, Dong C. A novel heterodimeric cytokine consisting of IL-17 and IL-17F regulates inflammatory responses. *Cell Res.* 2007 May;17(5):435-40.  
Wright JF, Guo Y, Quazi A, Luxenberg DP, Bennett F, Ross JF, Qiu Y, Whitters MJ, Tomkinson KN, Dunussi-Joannopoulos K, Carreno BM, Collins M, Wolfman NM. Identification of an interleukin 17F/17A heterodimer in activated human CD4+ T cells. *J Biol Chem.* 2007 May 4;282(18):13447-55.  
Liang SC, Tan XY, Luxenberg DP, Karim R, Dunussi-Joannopoulos K, Collins M, Fouser LA. Interleukin (IL)-22 and IL-17 are coexpressed by Th17 cells and cooperatively enhance expression of antimicrobial peptides. *J Exp Med.* 2006 Oct 2;203(10):2271-9.

### Related Products

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

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Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • [www.ebioscience.com](http://www.ebioscience.com) •  
[info@ebioscience.com](mailto:info@ebioscience.com)

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## Anti-Human IL-17AF PE

**Catalog Number:** 12-9179

**Also known as:** Interleukin-17AF

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12-4714 Mouse IgG1 K Isotype Control PE (P3.6.2.8.1)  
14-8239 Human IL-23 Recombinant Protein  
16-0037 Anti-Human CD3 Functional Grade Purified (OKT3)  
16-0289 Anti-Human CD28 Functional Grade Purified (CD28.2)  
45-7179 Anti-Human IL-17A PerCP-Cy5.5 (eBio64DEC17)  
51-7169 Anti-Human IL-17F Alexa Fluor® 647 (SHLR17)  
88-8823 Fixation & Permeabilization Buffers