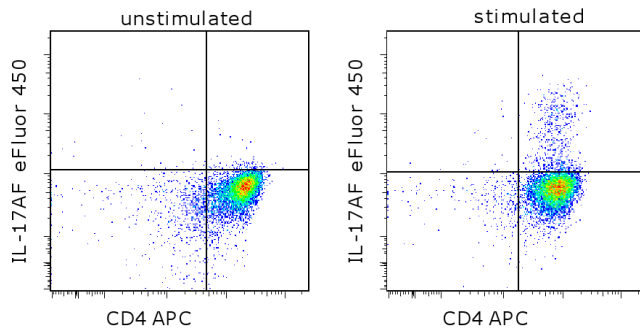


Anti-Human IL-17AF eFluor® 450

Catalog Number: 48-9179

Also known as: Interleukin-17AF

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® 780 (cat. 65-0865), then fixed and permeabilized using the Fixation & Permeabilization Buffers (cat. 88-8823) and then intracellularly stained with Anti-Human CD4 APC (cat. 17-0049) and Anti-Human IL-17AF eFluor® 450. Viable cells were used for analysis.

Product Information



Contents: Anti-Human IL-17AF eFluor® 450

Catalog Number: 48-9179

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



Contains sodium azide

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 by intracellular staining and flow cytometric analysis of in vitro-polarized human 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 10⁵ to 10⁸ cells/test.

eFluor® 450 is a replacement for Pacific Blue®. eFluor® 450 emits at 456 nm and is excited with the Violet laser (405 nm). Please make sure that your instrument is capable of detecting this fluorochrome.

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*

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Exp Med. 2006 Oct 2;203(10):2271-9.

Related Products

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

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)

17-0049 Anti-Human CD4 APC (RPA-T4)

48-4714 Mouse IgG1 K Isotype Control eFluor® 450 (P3.6.2.8.1)

88-8823 Fixation & Permeabilization Buffers

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