

Anti-Human IL-17F-172Yb

Catalog: 3172019B

Clone: SHLR17

Package Size: 100 tests

Isotype: IgG1

Storage: Store product at 4°C. Do not freeze.

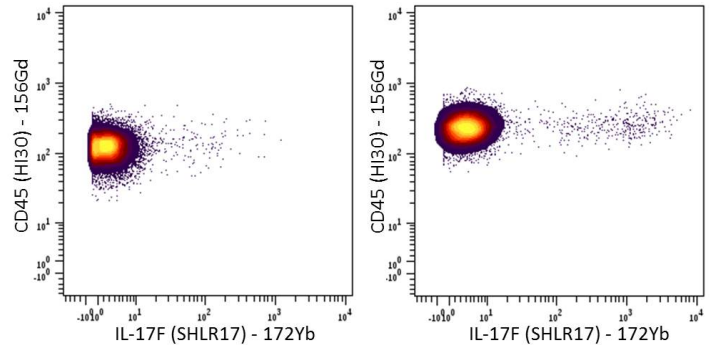
Formulation: Antibody stabilizer with 0.05% Sodium Azide

Reactivity: Human

Technical Information

Validation: Each lot of conjugated antibody is quality control tested by CyTOF[®] analysis of stained cells using the appropriate positive and negative cell staining and/or activation controls.

Recommended Usage: The suggested use is 1 µl for up to 3 X 10⁶ live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Human Th17-polarized CD4⁺ T cells were incubated for 5 hours in media alone (left) or with PMA and Ionomycin (right) in the presence of monensin and brefeldin A. Cells were then fixed, permeabilized, and stained with 156Gd-anti-CD45 (HI30) and 172Yb-anti-IL-17F (SHLR17).

Description

IL-17F is a homodimeric member of the of the interleukin (IL)-17 family, which also includes IL-17A, B, C, D, and E. The cytokines IL-17A and IL-17F are produced preferentially by proinflammatory T helper 17 (Th17) cells, with the other IL-17 family members are produced more widely. IL-17F and IL-17A have many overlapping functions, but knockout studies indicate that they have independent functions as well.

References

Bandura, D. R., et al. Mass Cytometry: Technique for Real Time Single Cell Multitarget Immunoassay Based on Inductively Coupled Plasma Time-of-Flight Mass Spectrometry. *Analytical Chemistry* 81:6813-6822, 2009.

Ornatsky, O. I., et al. **Highly Multiparametric Analysis by Mass Cytometry.** *J Immunol Methods* 361 (1-2):1-20, 2010.

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