

## Anti-Mouse IL-17A-169Tm

**Catalog #:** 3169005B

**Package Size:** 100 tests

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

**Cross Reactivity:** Mouse

**Clone:** TC11-18H10.1

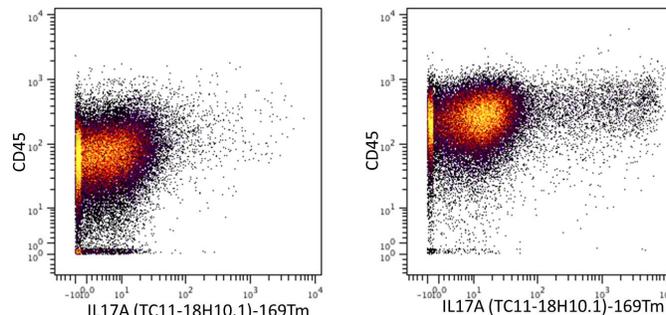
**Isotype:** Rat IgG1

**Formulation:** Antibody stabilizer with 0.05% Sodium Azide

### Technical Information

**Validation:** Each lot of conjugated antibody is quality control tested by CyTOF<sup>®</sup> 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 10<sup>6</sup> live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Mouse EL4 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 147Sm-anti-CD45 (30-F11) and 169Tm-anti-IL17A (TC11-18H10.1)

### Description

Interleukin-17A (IL-17A), also known as CTLA-8, is a cytokine in a family that includes six structurally related proteins (IL-17A through IL-17F) though most activities seem to be mediated primarily by IL-17A. IL-17 induces neutrophil-rich inflammatory reactions, such as stimulating the production of chemokines and other cytokines, and stimulates the production of antimicrobial substances. It is primarily produced by a subset of T cells when activated (TH17 cells).

### 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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