

## Anti-Human TdT-164Dy

**Catalog #:** 3164015B

**Package Size:** 100 tests

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

**Cross Reactivity:** Human

**Clone:** E17-1519

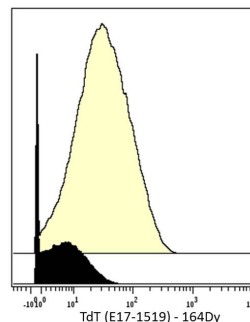
**Isotype:** Mouse IgG1

**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.



Human NALM-6 pre-B cells (top) and human U937 monocytic cells (bottom) were fixed, permeabilized, and stained with 164Dy-anti-TdT (E17-1519).

### Description

Terminal deoxynucleotidyl transferase (Tdt) is a 60 kDa terminal transferase, a specialized DNA polymerase that adds N-nucleotides to the V, D and J exons during antibody and T cell receptor gene recombination. Tdt is expressed in the nucleus of pre-B and pre-T cells, in addition to acute lymphoblastic leukemic cells. Mature lymphocytes from normal peripheral blood usually do not express the enzyme. Tdt catalyzes the addition of nucleotides to the 3' terminus of a DNA molecule.

### 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.

### Contact Information:

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