

## Anti-Human CD7-153Eu

**Catalog #:** 3153014B

**Package Size:** 100 tests

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

**Cross Reactivity:** Human

**Clone:** CD7-6B7

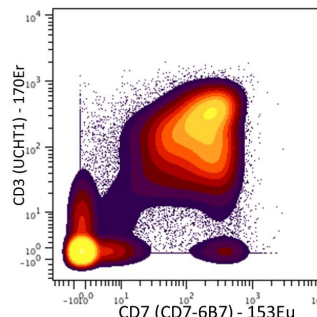
**Isotype:** Mouse IgG2a

**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 PBMCs stained with 170Er-anti-CD3 (UCHT1) and 153Eu-anti-CD7 (CD7-6B7).

### Description

CD7, also known as gp40, is a type I transmembrane glycoprotein and a member of the immunoglobulin superfamily. It plays a role in T-cell interactions and also in T-cell/B-cell interaction during early lymphoid development. CD7 costimulation can induce cytokine secretion and modulate cellular adhesion. CD7 is found on T cells, NK cells, thymocytes, hematopoietic progenitors, and monocytes (weakly). CD7 is also expressed on acute lymphocytic leukemia (ALL) and some acute myeloid leukemia (AML) 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.

### Contact Information:

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