

Anti-Human CD7-147Sm

Catalog: 3147006B

Package Size: 100 tests

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

Reactivity: Human,

Clone: CD7-6B7

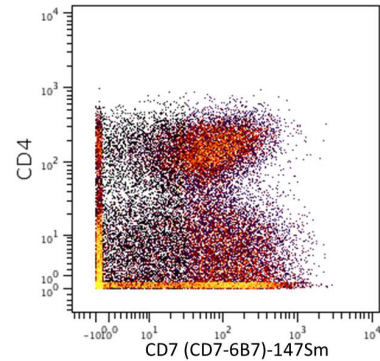
Isotype: IgG2a

Formulation: Antibody stabilizer with 0.05% Sodium Azide

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 PBMCs stained with ¹⁴⁵Nd-anti-CD4 (RPA-T4) and ¹⁴⁷Sm-anti-CD7 (CD7-6B7). Lymphocytes are displayed in the analysis.

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.

For technical support visit fluidigm.com/support

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