

Anti-Human CD127[IL-7Ra]-149Sm

Catalog #: 3149011B

Package Size: 100 tests

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

Cross Reactivity: Human

Clone: A019D5

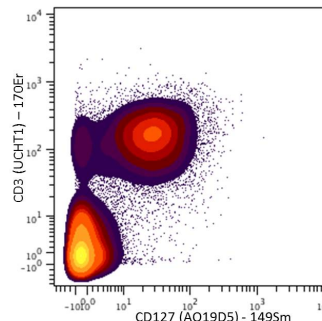
Isotype: Mouse IgG1

Formulation: Antibody stabilizer with 0.05% Sodium Azide

Technical Information

Validation: Each lot of conjugated antibody is quality control tested by CyTOF[®] 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 170Er-anti-CD3 (UCHT1) and 149Sm-anti-CD127 (A019D5). CD45+ CD33- cells are displayed in the analysis.

Description

CD127, also known as the IL-7 receptor α chain or IL-7 α , is a 60-90 kD type I transmembrane glycoprotein. It is a heterodimer consisting of IL-7R α (CD127) and common- γ chain receptor (CD132), which is shared with various cytokines including IL-2,-4,-9,-13,-15 and -21. CD127 is expressed on immature B through early pre-B stage cells, thymocytes (except CD4/CD8 double positive thymocytes), peripheral T cells, and bone marrow stromal cells. It can be a useful marker for identifying memory and effector T cells and differentiation of Treg and conventional T cells. Antibody clone A019D5 recognizes a cell surface epitope of CD127.

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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