

# Anti-Human CD127-168Er

Catalog: 3168017B

Package Size: 100 tests

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

Reactivity: Human,

Clone: A019D5

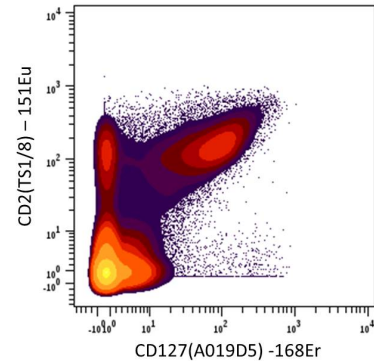
Isotype: IgG1

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 PBMCs stained with 151Eu-anti-CD2 (TS1/8) and 168Er-anti-CD127 (A019D5). CD45+CD33- cells are displayed in the analysis.

## Description

CD127, also known as the IL-7 receptor  $\alpha$  chain or IL-7 $\alpha$ , is a 60-90 kD type I transmembrane glycoprotein. It is a heterodimer consisting of IL-7R $\alpha$  (CD127) and common- $\gamma$  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.

### For technical support visit [fluidigm.com/support](http://fluidigm.com/support)

#### EMAIL

United States support.northamerica@fluidigm.com | Europe support.europe@fluidigm.com  
 Asia techsupportasia@fluidigm.com | Latin America techsupportlatam@fluidigm.com  
 All other countries techsupport@fluidigm.com

#### PHONE

United States (toll-free) +1 866 358 4354 | Europe +33 1 60 92 42 40  
 Japan +81 3 3662 2150 | China (excluding Hong Kong) +86 21 3255 8368  
 All other countries +1 650 266 6100

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