

# Anti-Human CD56-149Sm

Catalog: 3149021B

Package Size: 100 tests

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

Reactivity: Cynomolgus Monkey, Rhesus, Chimpanzee, Olive Baboon, Pigtailed Macaque, Tamarin, Marmoset, Human

Clone: NCAM16.2

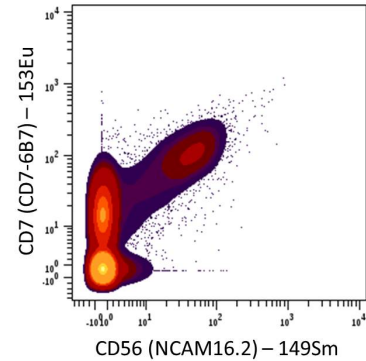
Isotype: Mouse IgG2b

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 153Eu-anti-CD7 (CD7-6B7) and 149Sm-anti-CD56 (NCAM16.2). CD3<sup>+</sup> CD14<sup>-</sup> cells are displayed in the analysis.

## Description

CD56, also known as NCAM (Neural Cell Adhesion Molecule), Leu-19, and NKH1, is a type I transmembrane glycoprotein. CD56 is expressed on natural killer (NK) cells, NK-T cells, as well as a host of neural lineages. It has also been reported to be expressed in some cancers including leukemia, small-cell lung carcinomas, neuronal tumors, and myelomas.

## 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)

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