

Anti-Human CD13-147Sm

Catalog: 3147014B

Package Size: 100 tests

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

Reactivity: Human

Clone: WM15

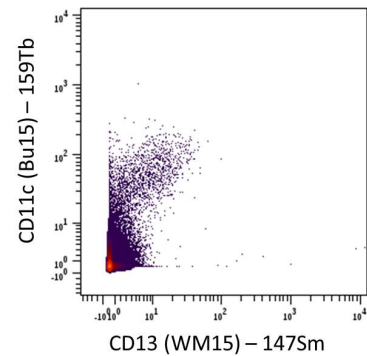
Isotype: Mouse IgG1

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 3×10^6 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 159Tb-anti-CD11c (Bu15) and 147Sm-anti-CD13 (WM15). Total viable cells are displayed in the analysis.

Description

CD13, also known as aminopeptidase N, APN and gp150, is a 150-170 kD transmembrane ectoenzyme occurring on monocytes and granulocytes but not lymphocytes in blood. It is also reportedly on a wide variety of cells and in a wide variety of tissues, including endothelial cells, epithelial cells, fibroblasts, kidney proximal tubules, intestine, and placenta. CD13 is reported to have many different functions including degradation of enkephalins and endorphins, terminal degradation of peptides, amino acid scavenging, antigen processing, and adhesion and migration of 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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