

Anti-Human CD1b-155Gd

Catalog: 3155007B

Package Size: 100 tests

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

Reactivity: Human

Clone: SN13

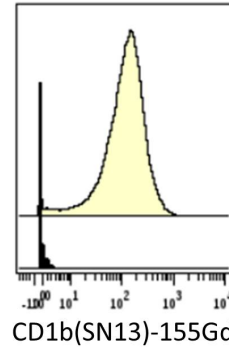
Isotype: IgG1

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 μ l for up to 3×10^6 live cells in 100 μ l. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Human MOLT-4 cells (top) and human HT29 cells (bottom) stained with 155Gd-anti-CD1b(SN13).

Description

The monoclonal antibody SN13 binds specifically to CD1b, a 43 kD type I membrane glycoprotein expressed in association with β 2-microglobulin. CD1b is expressed moderately on cortical thymocytes, Langerhans cells and interdigitating cells. CD1b is a member of the CD1 family of molecules in the immunoglobulin superfamily. CD1 molecules fall into two groups. Group 1 includes CD1a, CD1b and CD1c molecules; group 2 includes CD1d molecules and their homologs. There is evidence that CD1b reacts with pyramidal cells in brain and that CD1b may participate in the "non-cannonical" antigen presentation pathway.

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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