

Anti-Human IKZF1/Ikaros-143Nd

Catalog: 3143024B

Package size: 100 tests

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

Clone: 16B5C71

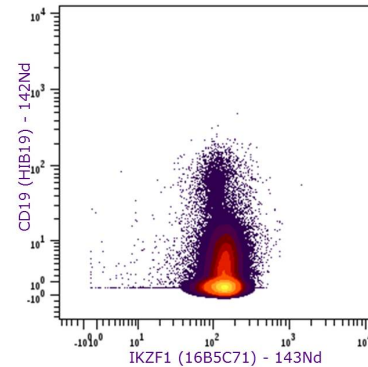
Isotype: Mouse IgG2a

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 × 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 were fixed, permeabilized and stained with 142Nd-anti-CD19 (HIB19) and 143Nd-anti-IKZF1 (16B5C71). Total viable cells are displayed in the analysis.

Description

IKZF1, also known as Ikaros, is among the zinc finger-containing transcription factors that can form homodimers and heterodimers with other members of the family, including Aiolos and Helios. It is expressed in activated T cells, B cells, NK cells, and granulocytes. IKZF1 regulates lymphocyte differentiation and survival, and its loss of function has been linked to the development of lymphoid leukemia.

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 (2009): 6,813–22.

Ornatsky, O. I., et al. Highly Multiparametric Analysis by Mass Cytometry. *Journal of Immunological Methods* 361 (2010): 1–20.

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