

# Anti-Human CD117-143Nd

Catalog: 3143001B

Package size: 100 tests

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

Cross-reactivity: Cynomolgus Monkey, Bovine

Clone: 104D2

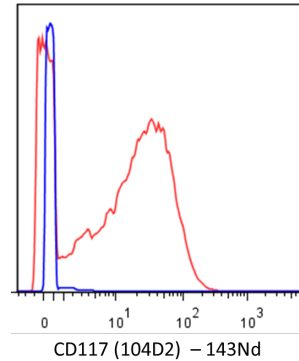
Isotype: Mouse IgG1

Formulation: Antibody stabilizer with 0.05% sodium azide

## Technical Information

**Validation:** Each lot of conjugated antibody is quality control-tested by CyTOF<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 × 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 TF-1a erythroleukemia cells (red) and mouse EL4 T cells (blue) stained with 143Nd-anti-CD117 (104D2).

## Description

CD117, also known as c-Kit and Stem Cell Growth Factor (SCFR), is a member of the tyrosine kinase receptor family. c-Kit is a protein required for hematopoiesis, early stages of T cell development in the thymus and mast cell development. It is expressed as a surface marker in some hematopoietic progenitor cells and mast 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 (2009): 6,813–22.

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

Bendall, S. C., et al. Single-Cell Mass Cytometry of Differential Immune and Drug Responses Across a Human Hematopoietic Continuum. *Science* (6 May 2011): 687–96.

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

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