

Anti-SATB1-167Er

Catalog: 3167018A

Package size: 50 tests

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

Cross-reactivity: Rat, Mouse, Human

Clone: 14/SATB1

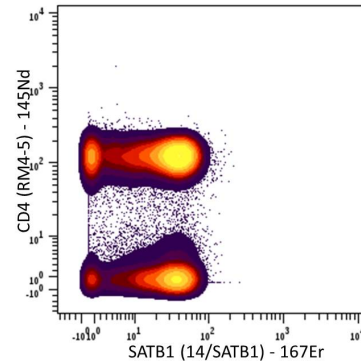
Isotype: Mouse IgG1

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 × 10⁶ live cells in 100 µL. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



C57BL/6 mouse splenocytes were fixed, permeabilized and stained with 145Nd-anti-CD4 (RM4-5) and 167Er-anti-SATB1 (14/SATB1). T cells are displayed in the analysis.

Description

SATB1 (special AT-rich sequence binding protein-1) is a 103 kDa nuclear matrix-associated homeobox transcription factor that binds AT-rich DNA sequences at scaffolding protein attachment and viral genome integration sites. SATB1 is expressed by thymocytes (especially single positive CD4+ thymocytes), T and B lymphocytes, NK cells and macrophages. It functions as both a global chromatin organizer and a gene-specific transcription factor.

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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