

Anti-Mouse CD45RB-145Nd

Catalog: 3145012B

Package Size: 100 tests

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

Reactivity: Mouse,

Clone: C363.16A

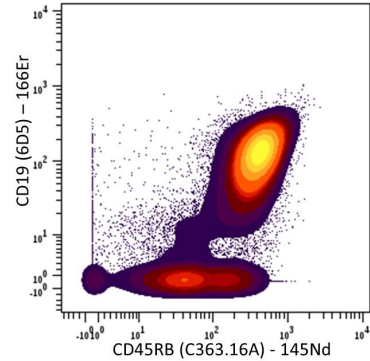
Isotype: IgG2a

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



Mouse splenocytes stained with 166Er-anti-CD19 (6D5) and 145Nd-anti-CD45RB (C363.16A).

Description

CD45RB is expressed primarily on subsets of B-cells, T-cells, monocytes and macrophages. Additionally, weak expression on granulocytes has been reported. Memory T cells (CD4+, CD45RA-) possess differential expression of CD45RB. Expression level of CD45RB correlates with higher proliferation and IFN γ production. CD45RB expression may be a mechanism for fine-tuning the responsiveness of memory cells in vivo.

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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