

# Anti-Human CD45RB-145Nd

Catalog: 3145009B

Package Size: 100 tests

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

Reactivity: Human

Clone: MEM-55

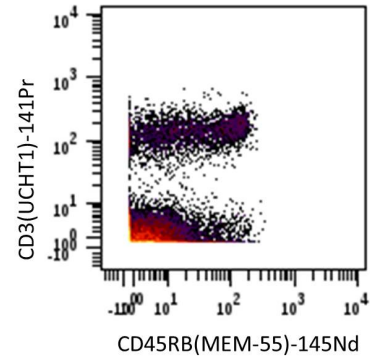
Isotype: IgG2b

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 X 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 PBMCs stained with 145Nd-anti-CD45RB(MEM-55) and 141Pr-anti-CD3(UCHT1). Total viable cells are displayed in the analysis.

## 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 $\gamma$  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](http://fluidigm.com/support)

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