

# Anti-Human CD31/PECAM-1-144Nd

Catalog: 3144023B

Package size: 100 tests

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

Cross-reactivity: Cynomolgus Monkey, Rhesus, Olive Baboon, African Green

Clone: WM59

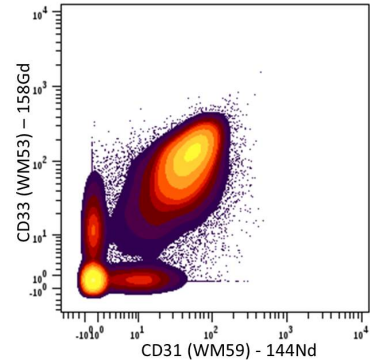
Isotype: Mouse IgG1

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  $3 \times 10^6$  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 158Gd-anti-CD33 (WM53) and 144Nd-anti-CD31 (WM59)

## Description

CD31, also known as platelet endothelial cell adhesion molecule-1 (PECAM-1) or endoCAM, is a type I transmembrane glycoprotein. It binds CD38 and plays a role in wound healing, angiogenesis, removing aged neutrophils and cellular migration in an inflammatory situation. Clone WM59 has been reported to recognize the D2 extracellular portion of CD31.

## 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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