

Anti-Human CD51/61-150Nd

Catalog: 3150026B

Clone: 23C6

Package Size: 100 tests

Isotype: Mouse IgG1

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

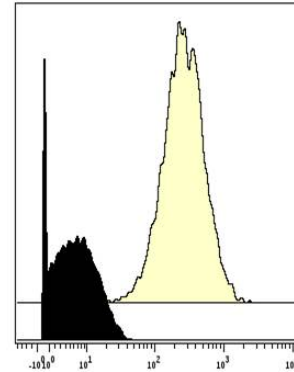
Formulation: Antibody stabilizer with 0.05% Sodium Azide

Reactivity: Human,

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.



Human U-87 MG cells (top) and human Jurkat cells (bottom) were stained with 150Nd-anti-CD51/61 (23C6). Total viable cells are displayed in analysis.

Description

CD51/61, also known as integrin $\alpha v/\beta 3$ or vitronectin receptor, is a heterodimeric integrin complex. The dimers are expressed at high levels on osteoclasts, endothelial cells, and melanoma cells and at low levels on platelets and macrophages. The CD51/CD61 complex mediates cell-cell adhesion to fibronectin, fibrinogen, vitronectin, thrombospondin, osteopontin, and collagen.

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.

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