

Anti-Human/Mouse Integrin β 7-162Dy

Catalog: 3162026B

Package Size: 100 tests

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

Reactivity: Cynomolgus Monkey, Rhesus, Chimpanzee, Olive Baboon, Mouse, Human

Clone: FIB504

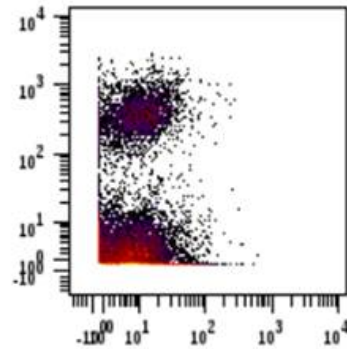
Isotype: IgG2a

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 μ l for up to 3×10^6 live cells in 100 μ l. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Human PBMCs stained with 162Dy-anti-Integrin β 7(FIB504) and 147Sm-anti-CD20(2H7). Total viable cells are displayed in the analysis.

Description

The FIB504 monoclonal antibody binds both to human integrin β 7 and mouse integrin β 7 subunit (130 kD). Integrin β 7 is a 130 kD glycoprotein in the Ig superfamily, which is also known as integrin β p. Integrin β 7 associates with CD103 expressed on T cells adjacent to mucosal epithelium and intraepithelial lymphocytes and CD49d expressed on subsets of lymphocytes and thymus. Integrin β 7 has been reported to play a key role in the adhesion of leukocytes to endothelial cells, which stimulates the transmigration of leukocytes to extravascular spaces during inflammation.

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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