

Anti-Human CD6-148Nd

Catalog: 3148013B

Package Size: 100 tests

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

Reactivity: Human,

Clone: BL-CD6

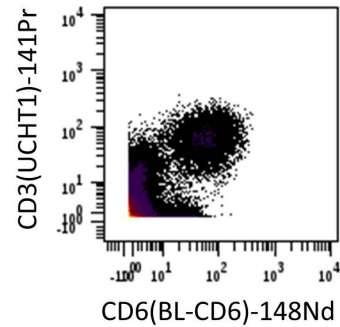
Isotype: IgG1

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.



Human whole blood stained with 148Nd-anti-CD6(BL-CD6) and 141Pr-anti-CD3(UCHT1). Total viable cells are displayed in the analysis.

Description

The BL-CD6 monoclonal antibody specifically binds to CD6. CD6 is a 100-130 kDa type I transmembrane glycoprotein present on mature T cells, a subset of B cells. CD6 is present in many acute lymphocytic leukemia (ALL) cells. Cortical thymocytes also display weak CD6 expression. CD6 binds the ligand CD166 (ALCAM) and may contribute to cellular adhesion, costimulation of T lymphocyte proliferation, and the regulation of lymphocyte apoptosis.

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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