Anti-Human CD42b-144Nd

Catalog: 3144020B
Clone: HIP1
Package Size: 100 tests
Isotype: IgG1
Storage: Store product at 4°C. Do not freeze.
Reactivity: Chimpanzee, Human,

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 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 whole blood stained with 144Nd-anti-CD42b(HIP1). Total platelets (top) overlaying B lymphocytes (bottom) is displayed in the analysis.

Description

The HIP1 monoclonal antibody binds specifically to CD42b, a 145 kD glycoprotein also known as gpIbα, which is encoded by the GP1BA gene. CD42b can be disulfide bonded to CD42c to form a 170 kDa heterodimer, GPIb. GPIb then forms a noncovalent complex with CD42a and CD42d, leading to the formation of the CD42 complex. The CD42 complex is expressed on platelets and megakaryocytes. The CD42 complex is involved in the adhesion of platelets to the subendothelium of damaged vascular walls as the von Willebrand Factor(vWF) surface receptor. HIP1 has also been reported to partially inhibit collagen-induced aggregation.

References


For technical support visit fluidigm.com/support

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