

Anti-Human CD41-89Y

Catalog: 3089004B

Package Size: 100 tests

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

Reactivity: Rhesus, Chimpanzee, Capuchin Monkey, Human,

Clone: HIP8

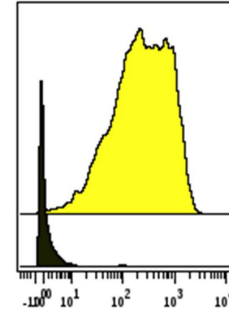
Isotype: IgG1

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.



CD41(HIP8)-89Y

Human whole blood stained with 89Y-anti-CD41(HIP8). Total platelets (top) overlaying B lymphocytes (bottom) is displayed in the analysis.

Description

The HIP8 monoclonal antibody reacts with human CD41. CD41 is a 125/25 kD α subunit of the gpIIb/IIIa (CD41/CD61) complex. CD41 non-covalently associates with integrin β3 (GPIIIa, CD61) and is primarily expressed by megakaryocytes and platelets. The CD41/CD61 complex is a receptor for fibronectin, fibrinogen, von Willebrand factor, vitronectin and thrombospondin and CD41 has been reported to mediate platelet aggregation.

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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