
Anti-Human CD41 Functional Grade Purified

Catalog Number: 16-0419

Also known as: Integrin alpha IIb, platelet GPIIb

RUO: For Research Use Only. Not for use in diagnostic procedures.

Product Information

Contents: Anti-Human CD41 Functional Grade Purified

REF

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Clone: HIP8

Concentration: 1 mg/mL

Host/Isotype: Mouse IgG1, kappa

HLDA Workshop: IV P38

Endotoxin: Less than 0.001 ng/ug antibody, as determined by the LAL assay.



Formulation: aqueous buffer, no sodium azide

Temperature Limitation: Store at 2-8°C.

Batch Code: Refer to vial

Use By: Refer to vial

Description

The HIP8 monoclonal antibody reacts with the human CD41 molecule, the integrin alpha IIb also known as platelet GPIIb. CD41 non-covalently associates with integrin beta3 (GPIIIa, CD61) and is expressed by megakaryocytes and platelets. The CD41/CD61 complex is a receptor for fibronectin, fibrinogen, von Willebrand factor, vitronectin and thrombospondin and mediates platelets aggregation. HIP8 blocks platelet aggregation.

Applications Reported

This HIP8 antibody has been reported for use in functional assays (blocking) and flow cytometric analysis.

Applications Tested

This HIP8 antibody has been tested by flow cytometric analysis of human peripheral platelets. This can be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Schlossman, S., L. Bloumsell, et al. eds (1995). Leucocyte Typing V: White Cell Differentiation Antigens. Oxford University Press. New York.

Knapp, W., B. Dorken, et al. eds. (1989). Leucocyte Typing IV: White Cell Differentiation Antigens. Oxford University Press. New York.

Related Products

00-4222 Flow Cytometry Staining Buffer

16-4714 Mouse IgG1 K Isotype Control Functional Grade Purified (P3.6.2.8.1)