


Anti-Human CD41a Purified

Catalog Number: 14-0419
RUO: For Research Use Only

Product Information


Contents: Anti-Human CD41a Purified
 Catalog Number: 14-0419
Clone: HIP8
Concentration: 0.5 mg/ml
Host/Isotype: Mouse IgG1, κ
HLDA Workshop: IV P38

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

 Temperature Limitation: Store at 2-8°C.

 Batch Code: Refer to Vial

 Use By: Refer to Vial

 Caution, contains Azide

Description

The HIP8 monoclonal antibody reacts with the human CD41 molecule, the integrin α_{IIb} also known as platelet GPIIb. CD41 non-covalently associates with integrin β_3 (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

The HIP8 antibody has been reported for use in flow cytometric analysis, and immunohistochemical staining.

Applications Tested

The HIP8 antibody has been tested by flow cytometric analysis of human platelets. This can be used at less than or equal to 0.5 μ g per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 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

11-0418 Anti-Human CD41b FITC (HIP2)
11-4011 Anti-Mouse IgG FITC
11-4317 Streptavidin FITC
12-4317 Streptavidin PE
13-4013 Anti-Mouse IgG Biotin (Polyclonal)
14-0418 Anti-Human CD41b Purified (HIP2)
14-4714 Mouse IgG1 K Isotype Control Purified
17-4317 Streptavidin APC

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