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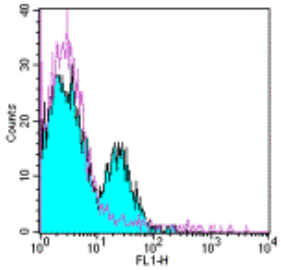
Anti-Human CD51/CD61 (Integrin alpha v beta 3) Purified

Catalog Number: 14-0519
Also Known As:Integrin av b3, vitronectin Receptor
RUO: For Research Use Only



Staining of platelets with 0.5 µg of Mouse IgG1 Isotype Control Purified (cat.14-4714) (open histogram) or 0.5 µg of Anti-Human CD51/CD61 (Integrin αv β3) Purified followed by Anti-Mouse IgG FITC (cat. \lt}{11-4011}) (filled histogram).

Product Information

Contents: Anti-Human CD51/CD61 (Integrin alpha v beta 3) Purified
REF Catalog Number: 14-0519
Clone: 23C6
Concentration: 0.5 mg/ml
Host/Isotype: Mouse IgG1, κ
HLDA Workshop: IV P18

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Temperature Limitation: Store at 2-8°C.
LOT Batch Code: Refer to Vial
Use By: Refer to Vial
Caution, contains Azide

Description

The 23C6 monoclonal antibody reacts with the human CD51/CD61 dimer, also known as the integrin αv/β3. CD51, an ~120 kDa surface molecule can also non-covalently associate with other β subunits of the integrin family including β_1 (CD29), β_5 and β_6 to form receptors for extracellular matrix components. Heterodimers of CD51/CD61 are expressed by melanoma cells, endothelial cells and osteoclasts and at very low levels by platelets. The CD51/CD61 complex mediates adhesion to fibrinogen, fibronectin, vitronectin and thrombospondin.

Applications Reported

The 23C6 antibody has been reported for use in flow cytometric analysis, and immunohistochemical staining of frozen tissue sections. 23C6 has also been reported in blocking of some adhesive processes. (Please use Functional Grade purified 23C6 in functional assays.)

Applications Tested

The 23C6 antibody has been tested by flow cytometric analysis of human melanoma cell line and peripheral blood. This can be used at less than or equal to 1 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 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.

Related Products

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

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