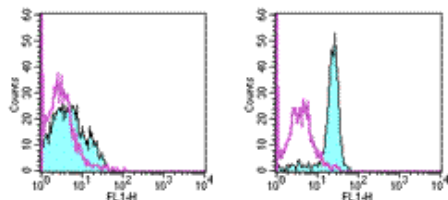


Anti-Mouse/Rat CD61 (Integrin beta 3) FITC

Catalog Number: 11-0611

Also Known As: Integrin b3, ITGB3

RUO: For Research Use Only



Staining of C57BL/6 bone marrow cells with 0.5 µg of FITC Armenian Hamster IgG Isotype Control (cat. 11-4888) (open histogram) or 0.5 µg of Anti-Mouse/Rat CD61 (Integrin β3) FITC (filled histogram). Cells in the lymphoid (left) or myeloid (right) gates were used for analysis.

Product Information

Contents: Anti-Mouse/Rat CD61 (Integrin beta 3) FITC


REF Catalog Number: 11-0611

Clone: 2C9.G3


Concentration: 0.5 mg/ml


Host/Isotype: Armenian Hamster IgG

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

 Temperature Limitation: Store at 2-8°C. Do not freeze. Light sensitive material.

LOT Batch Code: Refer to Vial

 Use By: Refer to Vial

 Caution, contains Azide

Description

The 2C9.G3 (Hmb3-1) monoclonal antibody reacts with mouse and rat CD61, also known as the integrin β₃. CD61 is expressed by activated T cells, granulocytes, and platelet. CD61 associates non-covalently with two integrin α subunits; α_v (CD51) to form Vitronectin Receptor and α_{IIb} (CD41) to form gpIIb/IIIa. These heterodimeric complexes are responsible for adhesion to extracellular matrix components including fibrinogen, fibronectin, vitronectin, thrombospondin and von Willebrand factor.

Applications Reported

The 2C9.G3 antibody has been reported for use in flow cytometric analysis.

Applications Tested

The 2C9.G3 antibody has been tested by flow cytometric analysis of mouse splenocyte and bone marrow cell suspensions. 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 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Yasuda M, Hasunuma Y, Adachi H, Sekine C, Sakanishi T, Hashimoto H, Ra C, Yagita H, Okumura K. 1995. Expression and function of fibronectin binding integrins on rat mast cells. *Int Immunol.* 7:251-8.

Nohara K, Pan X, et al. 2005. Constitutively active aryl hydrocarbon receptor expressed specifically in T-lineage cells causes thymus involution and suppresses the immunization-induced increase in splenocytes. *J Immunol.* 174(5):2770-7. (FC, PubMed)

Related Products

11-4888 Armenian Hamster IgG Isotype Control FITC (eBio299Arm)

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Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.eBioscience.com • info@eBioscience.com