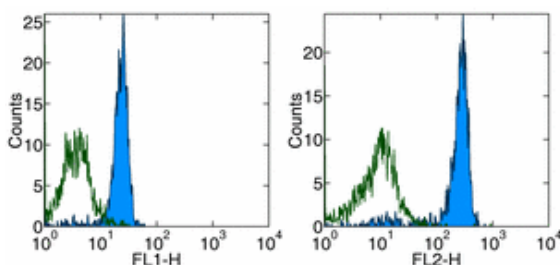


Anti-Mouse/Rat CD61 (Integrin beta 3) PE

Catalog Number: 12-0611

Also Known As: Integrin b3, ITGB3

RUO: For Research Use Only



Staining of mouse bone marrow cells with Armenian Hamster IgG Isotype Control FITC (cat. 11-4888) (left, open histogram) or Armenian Hamster IgG Isotype Control PE (cat. 12-4888) (left, open histogram) and Anti-Mouse/Rat CD61 (Integrin β_3) FITC (cat. 11-0611) (left, filled histogram) and 0.25 μg of Anti-Mouse/Rat CD61 (Integrin β_3) PE (right, filled histogram). Cells in the myeloid population were used for analysis.

Product Information

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


REF Catalog Number: 12-0611

Clone: 2C9.G3

Concentration: 0.2 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 β_3 . 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 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 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

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

12-4888 Armenian Hamster IgG Isotype Control PE (eBio299Arm)

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