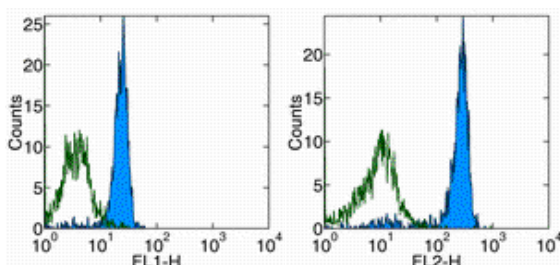


## Anti-Mouse/Rat CD61 (Integrin beta 3) Functional Grade Purified

**Catalog Number:** 16-0611

**Also Known As:** Integrin b3, ITGB3

**RUO: For Research Use Only**



Staining of mouse bone marrow with Anti-Mouse/Rat CD61 (Integrin  $\beta_3$ ) FITC (left) or PE (right). Appropriate isotype controls were used (open histogram). Cells in the myeloid population were used for analysis.

### Product Information

**Contents:** Anti-Mouse/Rat CD61 (Integrin beta 3) Functional Grade Purified

**REF** **Catalog Number:** 16-0611

**Clone:** 2C9.G3


**Concentration:** 1 mg/ml

**Host/Isotype:** Armenian Hamster IgG

**Handling Conditions:** Use in sterile environment.

**Endotoxin Level:** 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.

**LOT** **Batch Code:** Refer to Vial

 **Use By:** Refer to Vial

### Description

The 2C9.G3 (Hm $\beta$ 3-1) monoclonal antibody reacts with mouse and rat CD61, also known as the integrin  $\beta_3$ . CD61 is expressed by activated T cells, granulocytes, and platelet. CD61 associates non-covalently with two integrin  $\alpha$  subunits;  $\alpha_V$  (CD51) to form Vitronectin Receptor and  $\alpha_{IIb}$  (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. 2C9.G3 has also been reported in blocking of ligand binding and some adhesive processes.

### 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  $\mu$ g per test. A test is defined as the amount ( $\mu$ g) of antibody that will stain a cell sample in a final volume of 100  $\mu$ 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

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

11-4111 Anti-Armenian Hamster IgG FITC

11-4317 Streptavidin FITC

12-4317 Streptavidin PE

13-4113 Anti-Armenian Hamster IgG Biotin (Polyclonal)

16-4888 Armenian Hamster IgG Isotype Control Functional Grade Purified (eBio299Arm)

17-4317 Streptavidin APC

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