PE Anti-Mouse/Rat CD61 Antibody[2C9.G2]

Catalog Number: AN00947D

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

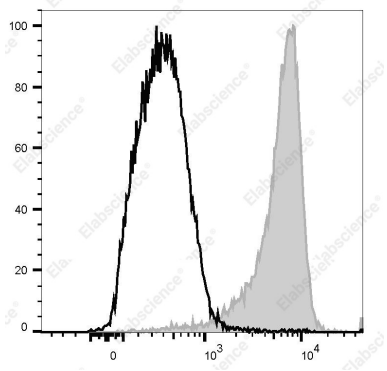
Description

Reactivity	Mouse;Rat
Host	Armenian Hamster
Isotype	Armenian Hamster IgG
Clone No.	2C9.G2
Isotype Control	PE Armenian Hamster IgG Isotype Control[PIP] [Product E-AB-F09852D]
Conjugation	PE
Conjugation Information	PE is designed to be excited by the Blue (488 nm), Green (532 nm) and Yellow-Green (561 nm) lasers and detected using an optical filter centered near 575 nm (e.g., a 585/42 nm bandpass filter).
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

Applications — Recommended usage

FCM	Each lot of this antibody is quality control tested by flow cytometric analysis. **The amount of the reagent is suggested to be used 5 µL of antibody per test (million cells in 100 µL staining volume or per 100 µL of whole blood).** Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

Data



Staining of C57BL/6 murine bone marrow cells with PE Anti-Mouse/Rat CD61 Antibody[2C9.G2] (filled gray histogram)or PE Armenian Hamster IgG Isotype Control[PIP]. Granulocyte cells were used for analysis.

Preparation & Storage

Storage	Keep as concentrated solution. This product can be stored at 2-8°C for 24 months. Please protected from prolonged exposure to light and do not freeze.
Shipping	Ice bag

Antigen Information

Alternate Names	β3 integrin;Integrin β3 chain;gpIIIa
Uniprot ID	O54890
Gene ID	16416;29302

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Background

CD61 is a 110 kD integrin β chain also known as β3 integrin or gpIIIa. It associates with the integrin αv chain (CD51) to form the vitronectin receptor. In addition, CD61 can associate with the integrin αIIb chain (CD41) to form the gpIIb/IIIa complex. CD61 is expressed on platelets, megakaryocytes, endothelium, smooth muscle, a subset of B cells, myeloid cells, osteoclasts, and mast cells. CD61, in conjunction with CD41 or CD51, mediates adhesion to fibronectin, fibrinogen, vitronectin, thrombospondin, and von Willebrand factor. Leukocyte-endothelial adhesion is mediated by the binding of αv/β3 integrin or vitronectin receptor to CD31 (PECAM-1).

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