

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

Catalog Number: AN00947E

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

Description

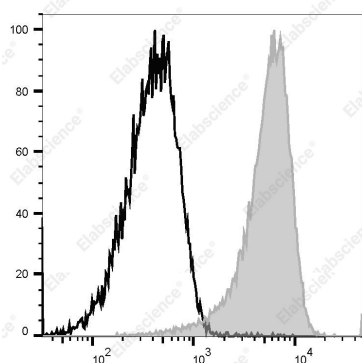
Reactivity	Mouse;Rat
Host	Armenian Hamster
Isotype	Armenian Hamster IgG
Clone No.	2C9.G2
Isotype Control	APC Armenian Hamster IgG Isotype Control[PIP] [Product E-AB-F09852E]
Conjugation	APC
Conjugation Information	APC is designed to be excited by the Red (627-640 nm) laser and detected using an optical filter centered near 660 nm (e.g., a 660/20 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.
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Data



Staining of C57BL/6 murine bone marrow cells with APC Anti-Mouse/Rat CD61 Antibody[2C9.G2] (filled gray histogram) or APC 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	β 3 integrin; Integrin β 3 chain; gp111a
Uniprot ID	O54890
Gene ID	16416;29302

For Research Use Only

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Rev. V1.2

Background

CD61 is a 110 kD integrin β chain also known as β 3 integrin or gpIIIa. It associates with the integrin α v chain (CD51) to form the vitronectin receptor. In addition, CD61 can associate with the integrin α IIb 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 α v/ β 3 integrin or vitronectin receptor to CD31 (PECAM-1).