

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

catalog number: AN009470P

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

Description

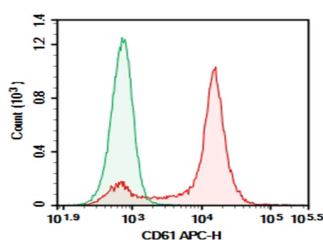
Reactivity	Mouse;Rat
Immunogen	Recombinant Mouse CD61 protein
Host	Armenian Hamster
Isotype	Armenian Hamster IgG1, κ
Clone	2C9.G2
Purification	>98%, Protein A/G purified
Buffer	Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer. Dialyze to completely remove the stabilizer prior to labeling.

Applications

Recommended Dilution

FCM	$\leq 0.2 \mu\text{g}$ per million cells in 100 μL volume
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Data



C57/BL6 Mouse bone marrow were stained with 0.2 μg Purified Anti-Mouse CD61 Antibody[2C9.G2] (Right) and 0.2 μg Armenian Hamster IgG1, κ Isotype Control (Left), followed by APC-conjugated Goat Anti-Armenian Hamster IgG Secondary Antibody.

Preparation & Storage

Storage	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
Shipping	Ice bag

Background

CD61 is a 110 kD integrin β chain also known as $\beta 3$ integrin or gp13a. 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/ $\beta 3$ integrin or vitronectin receptor to CD31 (PECAM-1).

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