

APC/Cyanine7 Rabbit anti-Human CD61 mAb

Catalog No.: A28504

Basic Information

Observed MW**Calculated MW**

87 kDa

Category

Primary antibody

Applications

FC

Cross-Reactivity

Human

CloneNo number

ARC66474

Conjugate

APC-Cy7. Ex:651nm. Em:779nm.

Background

CD61, also known as integrin beta 3 and glycoprotein IIIa (gpIIIa), is a 90 kDa type I integral transmembrane glycoprotein. As a member of the integrin family, it associates with platelet glycoprotein IIb (CD41) to form the CD41/CD61 complex (integrin α IIb β 3), and with integrin alpha V (CD51) to form the α V β 3 integrin (CD51/CD61). The CD41/CD61 complex is expressed on platelets and megakaryocytes, where it mediates platelet activation and aggregation through interactions with fibrinogen, fibronectin, von Willebrand factor (vWF), and other RGD-containing adhesion molecules. The CD51/CD61 integrin is expressed on platelets, osteoclasts, fibroblasts, macrophages, and tumor cells involved in metastasis and adenovirus infection, where it binds to RGD motifs present in extracellular matrix proteins.

Recommended Dilutions

FC 5 μ l per 10^6 cells in 100 μ l volume

Immunogen Information

Gene ID

3690

Swiss Prot

P05106

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

GT; GT2; CD61; GP3A; BDPLT2; GPIIIa; BDPLT16; BDPLT24

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

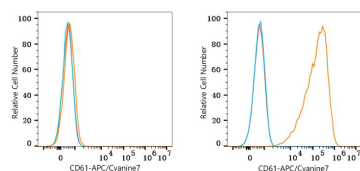
Affinity purification

Storage

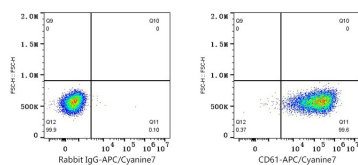
Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

Validation Data



Flow cytometry: 1×10^6 U-937 cells (negative control, left) and HEL cells (right) were surface-stained with APC/Cyanine7 Rabbit anti-Human CD61 mAb (A28504, 5 μ l/Test, orange line) or APC/Cyanine7 Rabbit IgG isotype control (5 μ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1×10^6 HEL cells were surface-stained with APC/Cyanine7 Rabbit IgG isotype control (5 μ l/Test, left) or APC/Cyanine7 Rabbit anti-Human CD61 mAb (A28504, 5 μ l/Test, right).