APC Rabbit anti-Human CD42b mAb

ABclomal

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Catalog No.: A26030

Basic Information

Observed MW

Refer to figures

Calculated MW

72kDa

Category

Primary antibody

Applications

FC

Cross-Reactivity

Human

CloneNo number

ARC56628

Conjugate

APC. Ex:650nm. Em:660nm.

Background

Glycoprotein lb (GP lb) is a platelet surface membrane glycoprotein composed of a heterodimer, an alpha chain and a beta chain, that is linked by disulfide bonds. The Gp lb functions as a receptor for von Willebrand factor (VWF). The complete receptor complex includes noncovalent association of the alpha and beta subunits with platelet glycoprotein IX and platelet glycoprotein V. The binding of the GP lb-IX-V complex to VWF facilitates initial platelet adhesion to vascular subendothelium after vascular injury, and also initiates signaling events within the platelet that lead to enhanced platelet activation, thrombosis, and hemostasis. This gene encodes the alpha subunit. Mutations in this gene result in Bernard-Soulier syndromes and platelet-type von Willebrand disease. The coding region of this gene is known to contain a polymophic variable number tandem repeat (VNTR) domain that is associated with susceptibility to nonarteritic anterior ischemic optic neuropathy.

Recommended Dilutions

FC

5 μl per 10^6 cells in 100 μl volume

Immunogen Information

Gene ID 2811 **Swiss Prot**

P07359

Immunogen

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

Synonyms

GP1BA; BDPLT1; BDPLT3; BSS; CD42B; CD42b-alpha; DBPLT3; GP1B; GPIbA; GPIbalpha; VWDP; platelet glycoprotein lb alpha chain

Contact

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Product Information

| Source | Isotype | Purification |
|--------|---------|-----------------------|
| Rabbit | IgG | Affinity purification |

Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS containing 0.2% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data









Flow cytometry: 1X10^6 HAP1 cells (negative control,left) and HEL cells (right) were surface-stained with APC Rabbit anti-Human CD42b mAb (A26030,5 $\mu | \text{Test,orange line})$ or APC Rabbit IgG isotype control (A24173,5 $\mu | \text{Test,blue line})$. Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry: $1X10^6$ HEL cells were surface-stained with APC Rabbit IgG isotype control (A24173,5 μ I/Test,Ieft) or APC Rabbit anti-Human CD42b mAb (A26030,5 μ I/Test,right).