

PE Rabbit anti-Human CD42d/GPV mAb

Catalog No.: A28264

Basic Information

Observed MW

Refer to figures

Calculated MW

61 kDa

Category

Primary antibody

Applications

FC

Cross-Reactivity

Human

CloneNo number

ARC71856

Conjugate

PE. Ex:565nm. Em:574nm.

Recommended Dilutions

FC 5 µl per 10⁶ cells in
100 µl volume

Background

Human platelet glycoprotein V (GP5) is a part of the Ib-V-IX system of surface glycoproteins that constitute the receptor for von Willebrand factor (VWF; MIM 613160) and mediate the adhesion of platelets to injured vascular surfaces in the arterial circulation, a critical initiating event in hemostasis. The main portion of the receptor is a heterodimer composed of 2 polypeptide chains, an alpha chain (GP1BA; MIM 606672) and a beta chain (GP1BB; MIM 138720), that are linked by disulfide bonds. The complete receptor complex includes noncovalent association of the alpha and beta subunits with platelet glycoprotein IX (GP9; MIM 173515) and GP5. Mutations in GP1BA, GP1BB, and GP9 have been shown to cause Bernard-Soulier syndrome (MIM 231200), a bleeding disorder (review by Lopez et al., 1998 [PubMed 9616133]).

Immunogen Information

Gene ID

2814

Swiss Prot

P40197

Immunogen

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

Synonyms

GPV; CD42d

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

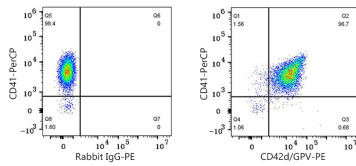
Affinity purification

Storage

Store at 2-8°C. Avoid freeze.

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

Validation Data



Flow cytometry: 1X10⁶ Human peripheral blood platelets were surface-stained with PerCP Mouse anti-Human CD41 mAb (A22824, 5 µl/Test) and PE Rabbit IgG isotype control (A24172, 5 µl/Test, left) or PE Rabbit anti-Human CD42d/GPV mAb (A28264, 5 µl/Test, right).