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Mouse Anti-Human GP IIb/IIIa Monoclonal Antibody Datasheet

Product Name: mAb anti-Human GP IIb/IIIa

Clone No.: 474

Catalogue No.: MO-M40040B

Quantity: 0.5 mg/vial

Description: Mouse monoclonal antibody to human platelet membrane glycoprotein IIb/IIIa (GP IIb/IIIa)

Purification: Protein G affinity purified

Product Type: Primary antibody

Target Protein: Human platelet membrane glycoprotein IIb/IIIa

Immunogen: Human platelet suspension.

Fusion Myeloma: Sp2/0-Ag14

Specificity: The mAb reacts with GPIIb/IIIa.

Species Reactivity: Human, others not tested

Host / Isotype: Mouse, IgG1 Kappa

Formulation: Lyophilized from a solution in 0.01M PBS, pH 7.2

Reconstitution: Double distilled water is recommended to adjust the final concentration to 1.00mg/mL.

Storage: Store at -20°C

Research Area: Hematology, blood coagulation

Background: Human platelet membrane glycoprotein Glycoprotein IIb/IIIa (GP IIb/IIIa) is a dominate receptor on the platelet membrane with very high molecular weight (>200kDa). After the platelet is activated, the GP IIb/IIIa receptor complex changes conformation and binds to fibrinogen in blood circulation with high affinity. The activation of platelets is initiated locally when the endothelial layer is wounded and the platelets are exposed to the collagen underneath the endothelium. The fibrinogen aggregates with platelets when binding to the GP IIb/IIIa receptor on platelets, thus primary haemostasis (Platelet clot) is formed.

Applications: **ELISA:** The mAb is reactive to platelet coated ELISA plate.

Western Blot: The antibody reacts with a band corresponding to the position of GPIIIa on the blot transferred with gel separated platelet membrane glycoproteins.

References: If research is published using this product, please inform Anogen in order to cite the reference on this datasheet. Anogen will provide one unit of product in the same category as gratitude.

This product is for LABORATORY RESEARCH USE and further manufacture ONLY, and cannot be administrated to human and animals for use in diagnostic and therapeutic procedures.

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