



## ANOGEN - A Division of YES Biotech Laboratories Ltd.

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### Mouse Anti-Human GP IIb/IIIa Monoclonal Antibody Datasheet

**Product Name:** mAb anti-Human GP IIb/IIIa

**Clone No.:** Y8

**Catalogue No.:** MO-M40040D

**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 in platelet glycoprotein membrane extract.

**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 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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