



## MOUSE ANTI-HUMAN INTEGRIN $\beta 3$ (GPIIIa, CD61) MONOCLONAL ANTIBODY

**CATALOG NUMBER:** MAB1957

**LOT NUMBER:**

**QUANTITY:** 100  $\mu$ g

**CONCENTRATION:** 1 mg/mL

**SPECIFICITY:** Reacts with human integrin  $\beta 3$  (GPIIIa, vitronectin receptor beta chain). The antibody can be used to immunoprecipitate a complex of CD41 and CD61. The apparent molecular weight of the GPIIIa by SDS-PAGE in immunoprecipitation is 105 kDa reduced and 90 kDa unreduced (prelabelled surface proteins). Ligands are fibronectin, fibrinogen, von Willebrand factor, vitronectin and thrombospondin. Residues 237-248 of GPIIIa or CD61 are critical in adhesive protein binding. The monocytoid cell line U937 is highly positive.

**IMMUNOGEN:** Normal blood mononuclear cells activated by mixed lymphocyte reaction and cultured for 10 days in medium containing IL-2.

**ISOTYPE:** IgM (original paper claimed IgG2ak)

**CLONE:** 25E11

**APPLICATIONS:** Immunoprecipitation  
Immunocytochemistry (acetone fixation required)  
Flow cytometry  
Inhibits platelet aggregation, 10  $\mu$ g/mL  
Optimal working dilutions must be determined by end user.

**FORMAT:** Purified from ascites by protein A chromatography.

**PRESENTATION:** In buffer of 0.02M phosphate, 0.25M sodium chloride, pH 7.6, 0.1% sodium azide.

**STORAGE/HANDLING:** Maintain between 2 and 8°C, for 6 months.

**REFERENCE:** 1. *Cell* **45**:269-280 (1986).  
2. *J. Immunol.* **156**: 284-8.

**Important Note:** During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200  $\mu$ L or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.

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PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

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