

# QED Bioscience Inc.

ADVANCED RESEARCH TECHNOLOGIES

## Integrin $\alpha$ IIb Chain Monoclonal Antibody

### ORDERING INFORMATION

**Catalog No.:** 42020 (clone DD4-1)

**Size:** 100 ug Protein G-purified antibody in phosphate-buffered saline, pH 7.4.

### SPECIFICATION SUMMARY

**Antigen:** CD41a-positive cells.

**Host Species:** Mouse

**Antibody Class:** IgG1

**Stabilizers:** None

**Preservatives:** 0.1% sodium azide

### SPECIFICITY

This antibody recognizes CD41a-positive cells. CD41a, also known as integrin  $\alpha$ IIb chain interacts with the integrin  $\beta$ 3 subunit/CD61 to form the platelet glycoprotein complex, gpIIb/IIIa. It is expressed on platelets and megakaryocytes. Ligands for the gpIIb/IIIa heterodimer include fibrinogen, von Willebrand factor, fibronectin, vitronectin, and thrombospondin. The gpIIb/IIIa complex is the major integrin on platelets and is important for platelet adhesion and aggregation.

### APPLICATIONS

*Flow cytometry:* use at 0.5-1 ug/10<sup>6</sup> cells.

### DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

### STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Avoid multiple freeze-thaw cycles.

*For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.*