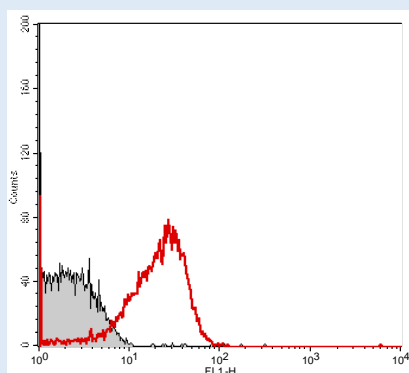


### 10B5: Anti-Murine CD41 ( $\alpha$ IIB integrin, GPIIb), (Monoclonal antibody), (Mouse IgG2b)

#### BACKGROUND

Antigen CD41 or  $\alpha$ IIB integrin is an integrin family protein that is usually paired with  $\beta$ 3 integrin, which performs both outside-in and inside-out signalling contributing to cell adhesion.  $\alpha$ IIB $\beta$ 3 integrin (also known as glycoprotein (GP) IIb/IIIa) is the most abundant receptor on the platelet surface and is required for platelet aggregation. The  $\alpha$ IIB integrin is also expressed on hematopoietic stem cells and is important for hematopoietic cell proliferation and development. This monoclonal antibody is generated in hybridoma cells isolated from human  $\alpha$ IIB transgenic mice immunized with wild-type mouse platelets.

#### DATA EXAMPLE



*10B5 binds to mouse platelets.* C57 wild-type platelets were incubated with PBS buffer (negative control, grey color) or monoclonal antibody 10B5 (2.5 $\mu$ g/ml, red color) for 1 hour, stained with FITC-labeled goat anti-mouse IgG for 45min, then analyzed by flow cytometry.

- ❖ **PRODUCT TYPE:** Primary Antibodies
- ❖ **PRODUCT CODE:** 10B5
- ❖ **APPLICATIONS**  
Immunofluorescence, Immunohistochemistry, Flow cytometry
- ❖ **RECOMMEND DILUTION**  
1:200 for flow cytometry
- ❖ **SPECIES REACTIVITY:** Mouse
- ❖ **HOST:** Mouse
- ❖ **ISOTYPE:** IgG2b
- ❖ **CATEGORIES:** Monoclonal
- ❖ **SPECIFICITY:** CD41 /  $\alpha$ IIB / GPIIb
- ❖ **IMMUNOGEN**  
Wild-type mouse platelets to immunize human  $\alpha$ IIB transgenic mice
- ❖ **FORMULATION:** PBS buffer (PH 7.3)
- ❖ **CONCENTRATION:** 1.0 mg/mL
- ❖ **PURIFICATION**  
Purified from serum free cell culture supernatant by affinity chromatography using protein G column
- ❖ **STORAGE**  
Store at 4 $^{\circ}$  C, **\*\*DO NOT FREEZE\*\***. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.
- ❖ **RESEARCH USE**  
For research use only. Not for use in diagnostic procedures.
- ❖ **PROTOCOLS**  
See our website for detailed protocols and support products.