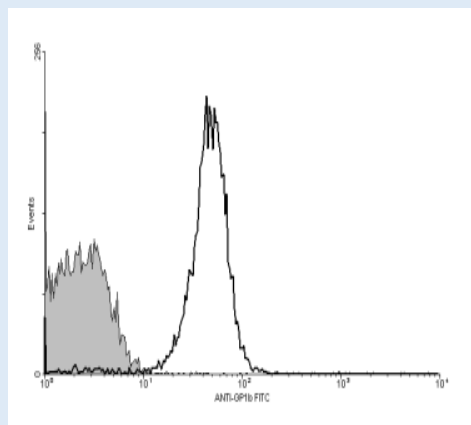


### NIT E: Anti-Murine / Pig CD42b (GPIb $\alpha$ ), (Monoclonal antibody), (Mouse IgG2b)

#### BACKGROUND

Glycoprotein Ib $\alpha$  (GPIb $\alpha$ ), also known as CD42b, is a component of the GPIb-V-IX complex on platelets. The GPIb-V-IX complex binds von Willebrand factor, allowing platelet adhesion and platelet plug formation at sites of vascular injury. This monoclonal antibody is generated in hybridoma cells isolated from GPIb $\alpha$  knockout mice immunized with wild-type mouse platelets.

#### DATA EXAMPLE



*NIT E binds to mouse platelets.* C57 wild-type mouse platelets were incubated with PBS buffer (negative control, grey color) or monoclonal antibody NIT E (2.5 µg/ml, dark 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:** NIT E
- ❖ **APPLICATIONS**  
Immunofluorescence, Immunohistochemistry, Flow cytometry
- ❖ **RECOMMEND DILUTION**  
1:200 for flow cytometry
- ❖ **SPECIES REACTIVITY:** Mouse, weak binding to pig
- ❖ **HOST:** Mouse
- ❖ **ISOTYPE:** IgG2b
- ❖ **CATEGORIES:** Monoclonal
- ❖ **SPECIFICITY:** CD42b / GPIb $\alpha$
- ❖ **IMMUNOGEN**  
Wild-type mouse platelets to immunize GPIb $\alpha$  knockout 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° 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.