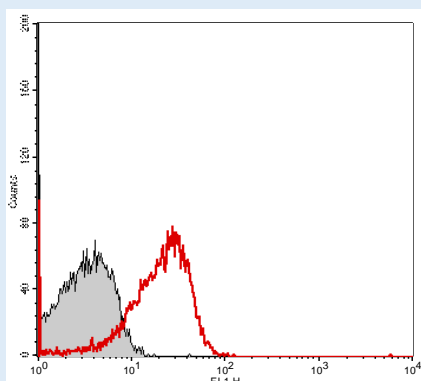


2G1: Anti-Murine CD41 (α IIB integrin, GPIIb), (Monoclonal antibody), (Mouse IgG2a)

BACKGROUND

Antigen CD41 or α IIB subunit is an integrin family protein that is paired with the β 3 subunit, which is important for both outside-in and inside-out signalling contributing to cell adhesion. α IIB β 3 integrin (also known as glycoprotein (GP) IIb/IIIa) is the most abundant receptor on the platelet surface and is required for platelet aggregation. CD41 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 α IIB transgenic mice immunized with wild-type mouse platelets.

DATA EXAMPLE



2G1 binds to mouse platelets. C57 wild-type mouse platelets were incubated with PBS buffer (negative control, grey color) or monoclonal antibody 2G1 (2.5 μ 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:** 2G1
- ❖ **APPLICATIONS**
Immunofluorescence, Immunohistochemistry, Flow cytometry
- ❖ **RECOMMEND DILUTION**
1:200 for flow cytometry
- ❖ **SPECIES REACTIVITY:** Mouse
- ❖ **HOST:** Mouse
- ❖ **ISOTYPE:** IgG2a
- ❖ **CATEGORIES:** Monoclonal
- ❖ **SPECIFICITY:** CD41 / α IIB / GPIIb
- ❖ **IMMUNOGEN**
Wild-type mouse platelets to immunize human α 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° 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.