CCOA Biotechnology
CCOA Therapeutics

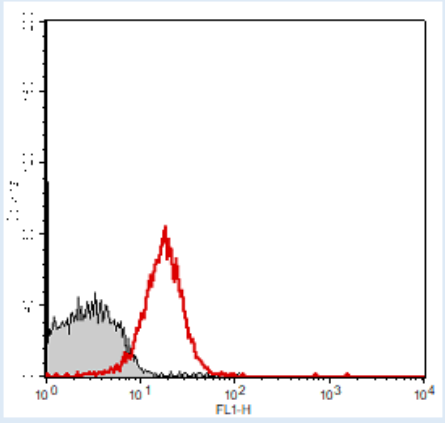
CCOA BIOTECHNOLOGY
DIVISION OF CCOA THERAPEUTICS INC.

2B12: Anti-Murine CD41 (αIIb integrin, GPIIb), (Monoclonal antibody), (Mouse IgG3)

BACKGROUND

Antigen CD41 or αIIb subunit is an integrin family protein that is paired with the β3 subunit, which is important for both outside-in and inside-out signalling contributing to cell adhesion. αIIbβ3 integrin (also known as glycoprotein (GP) IIbIIIa) 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 αIIb transgenic mice immunized with wild-type mouse platelets.

DATA EXAMPLE



2B12 binds to mouse platelets. C57 wild-type mouse platelets were incubated with PBS buffer (negative control, grey color) or monoclonal antibody 2B12 (2.5μg/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: 2B12
- APPLICATIONS
  Immunofluorescence, Immunohistochemistry, Flow cytometry
- RECOMMEND DILUTION
  1:200 for flow cytometry
- SPECIES REACTIVITY: Mouse
- HOST: Mouse
- ISOTYPE: IgG3
- CATEGORIES: Monoclonal
- SPECIFICITY: CD41 / αIIb / GPIIb
- IMMUNOGEN
  Wild-type mouse platelets to immunize human αIIb 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.