

Datasheet



Mouse mAb to **CD41a**
Clone **96-2C1**
Isotype **IgG1-κ**

Source

A BALB/c mouse was immunized with stimulated human PBL.
Fusion partner: NS-1.

Specifications

96-2C1 reacts with a calcium-dependent complex of CD41/CD61 (GPIIb/IIIa; integrin IIa/3), a dimer of 90 and 140 kDa, present on the membrane of normal platelets and megakaryocytes. This complex forms the receptor of fibrinogen, fibronectin and Von Willebrand factor, and mediates platelet adhesion and aggregation. MAbs to CD41a have been shown to have anti-proliferative effects on various lymphoid cell lines, particularly those derived from large cell lymphomas. 96-2C1 was typed at the III^d HLDA workshop.

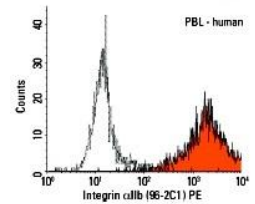


Figure 1: Human PBL stained with 96-2C1 (FACS).

Species reactivity

Positive: human.

Applications

Demonstration of CD41a in frozen sections, flow cytometry and immunofluorescence.

Flow cytometry	Frozen sections	Immunofluorescence
+	+	+

Format

Produced in tissue culture, contains no host Ig. Antibodies are affinity purified and presented in PBS with 0,02% sodium azide.

Stored at 4°C-8°C, shelf life is at least 24 months after purchase.

Dilution advice

- Flow cytometry (1-2 µg/million cells in 0,1 ml for 30 min, at 4°C).
- Immunofluorescence (1-2 µg/ml).
- Immunohistology (1-2 µg/ml for 30 min at RT; no antigen retrieval procedure is known to date for staining of formalin-fixed tissues).

Positive control

KG1a, HEL cells, and human platelets in lymph nodes or tonsils.

References

- McMichael et al. Leucocyte typing III. p. 744. Oxford Univ. Press. (1987).