

Product datasheet for **BM2322F**

CD41 (ITGA2B) Mouse Monoclonal Antibody [Clone ID: SZ.22]

Product data:

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| Product Type: | Primary Antibodies |
| Clone Name: | SZ.22 |
| Applications: | FC, IF, IHC |
| Recommended Dilution: | Studies of platelet functions. Identification of gpIIb. Immunohistochemistry on Frozen Ssections or Cell Smears: 1/50-1/100 dilution. Fluorescence Microscopy or Flow Cytometry: 20 µl/10e6 platelets/test. |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Washed Human platelets. |
| Specificity: | Clone SZ.22 reacts with the alpha chain of CD41. (4,5) |
| Formulation: | PBS containing 2 mg/ml BSA as stabilizer and 0.09% Sodium Azide as preservative. Label: FITC State: Liquid purified Ig fraction. Label: Conjugated to Molar radio: 15-25 moles of FITC per mole Ig. |
| Purification: | Ion Exchange or Affinity Chromatography. |
| Conjugation: | FITC |
| Storage: | Store the antibody undiluted (in the dark) at 2-8°C. DO NOT FREEZE!! |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | integrin subunit alpha 2b |
| Database Link: | Entrez Gene 3674 Human P08514 |



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Background:

The CD41 antigen (platelet GPIIb; alpha IIb integrin) is a Glycoprotein composed of 2 chains, GPIIb alpha (120 kDa) and GPIIb beta (23kDa), linked by one disulfide bond. (1) CD41 is always non-covalently associated with CD61 (platelet GPIIIa, beta 3 integrin), to form the GPIIb-IIIa (CD41/CD61) complex. The structure and role of the complex CD41/CD61 in hemostasis is reviewed in Ref.2. CD41 is expressed by platelets, Megakaryocytes and by a small subset of CD34+ cells suggesting that CD41/CD61 is the earliest marker of the Megakaryocytic lineage. (3) It has been assigned to the CD41 cluster of differentiation at the 5th International Workshop on Human Leucocyte Differentiation Antigens in Boston, in 1993.

Synonyms:

Integrin alpha-IIb, GP2B, ITGAB, GPalpha IIb

Note:

20 µl per test