

CD41 antibody [SZ.22] (FITC)

Cat. No. GTX19687

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Applications	WB, IHC-Fr, FCM
Reactivity	Human

Package
50 test

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	Assay dependent
IHC-Fr	1:50-1:100
FCM	20 μ L

Note : 10⁶ platelets/test

Not tested in other applications.

Calculated MW 113 kDa. ([Note](#))

Product Note

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) Clone SZ.22 reacts with the alpha chain of CD41. (4, 5) It has been assigned to the CD41 cluster of differentiation at the 5th International Workshop on Human Leucocyte Differentiation Antigens in Boston, in 1993.

Properties

Form	Liquid
Buffer	PBS, 2mg/ml BSA
Preservative	0.1% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C. DO NOT FREEZE. Protect from light.
Concentration	Batch dependent (Please refer to the vial label for the specific concentration.)
Immunogen	Washed human platelets.
Purification	Purified by Ion exchange or affinity chromatography



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ConjugationFluorescein isothiocyanate (FITC) [Wavelength](#)**Note**

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