CD61, Integrin β3 clone Y2/51

Instructions for Use

Specification:
Reacts with human integrin beta3 (GPIIIa, vitronectin receptor beta chain). It associates with the αV-chain (CD51) to form vitronectin receptor, or with the αIIb-chain (CD41) to form the GpIIb/GpIIIa complex (CD41/CD61). The CD41/CD61 complex appears early in megakaryocyte maturation. The activated CD41/CD61 complex is a receptor for von Willebrand factor, soluble fibrinogen, fibronectin, vitronectin and thrombospondin. It plays a central role in platelet activation and aggregation. The CD51/CD61 is implicated in tumors metastasis and adenoviral infection. The antibody detects platelets in smears of blood and bone marrow, as well as megakaryocytes in frozen sections and cell smears. The antibody is useful for classification of megakaryoblast leukemia.

Availability:

Catalog No.	Contents	Volume
ILM3690-C01	CD61	0,1 ml concentrate
ILM3690-C05	CD61	0,5 ml concentrate
ILM3690-C1	CD61	1,0 ml concentrate

Intended use: For Research Use Only

Reactivity: Human

Clone: Y2/51

Species of origin: Mouse

Isotype: IgG_1, Kappa

Controle Tissue: Bone Marrow, spleen

Staining: Membranous

Presentation: Purified antibody from Bioreactor concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% Azide.

Application and suggested dilutions:
Pre-treatment: Heat induced epitope retrieval in 10 mM citrate buffer pH 6, for 20 minutes is required for IHC staining on formalin-fixed, paraffin embedded tissue sections.

- Immunohistochemical staining of cryostat tissue sections (dilution up to 1:100-1:200)
- Immunohistochemical staining of formalin-fixed, paraffin embedded tissue section (dilution 1:100 - 1:200)

The optimal dilution for a specific application should be determined by the investigator.

Note: Dilution of the antibody in 10% normal goat serum followed by a goat anti-mouse secondary antibody-based detection is recommended.

Storage & Stability: Store at 2-8 °C. Do not use after expiration date printed on the vial.

References:

1) Gatter KC, Cordell JL, Turley H, Heryet A, Knieffer N, Anstee DJ, et al. The immunohistological detection of platelets, megakaryocytes and trombi in routinely processed specimens. Histopathology 1988; 13:227-67.
2) Von dem Borne AEG, Modderman PW, Admiraal LG, Nieuwenhuis HK. Joint report of the platelet section. P1 platelets antibodies, the overall results. In; Knapp W, Dörken B, Gilks WR, Rieber EP, Schmidt RE, Stein H, et al., editors. Leucocyte typing IV. White cell differentation antigens. Proceedings of the 4th International Workshop and Conference; 1989 Feb 21-25; Vienna, Austria. Oxford, New York, Tokyo: Oxford University Press; 1989. P 951-66.