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36-2618: Anti-CD61 / Integrin 3 / Platelet Glycoprotein IIIa (Platelet Marker) Monoclonal Antibody(Clone: Y2/51)

Clonality :	Monoclonal
Clone Name :	Y2/51
Application :	FACS,IF,IHC
Reactivity :	Human
Gene :	ITGB3
Gene ID :	3690
Uniprot ID :	P05106
Alternative Name :	BDPLT2; GP3A; GPIIIa; GT; HPA 1; HPA 4; Integrin beta-3; ITGB3; NAIT; Platelet fibrinogen receptor beta subunit; Platelet glycoprotein IIIa; PTP
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Phytohemagglutinin (PHA)-stimulated peripheral blood cells

Description

Reacts with human integrin beta3 (GPIIIa, vitronectin receptor beta chain). It associates with the IIb-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 tumor 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 megakaryoblastic leukemia.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

Flow Cytometry (0.5-1ug/million cells in 0.1ml); Immunofluorescence (1-2ug/ml); Immunohistochemistry (Frozen & Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);

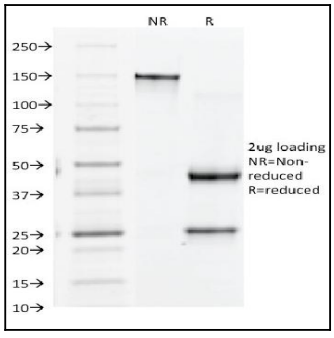

Fig. 1: SDS-PAGE Analysis Purified CD61 Monoclonal Antibody (Y2/51). Confirmation of Purity and Integrity of Antibody.

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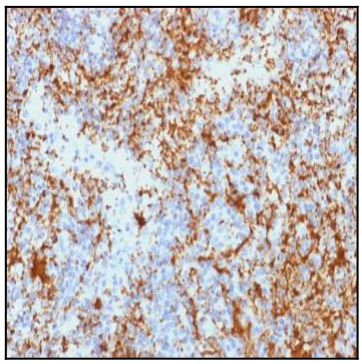

Fig. 2: Formalin-fixed, paraffin-embedded human Spleen stained with CD61 Monoclonal Antibody (Y2/51).