

CD61 Antibody / ITGB3 / Integrin beta 3 [clone Y2/51] (V3255)

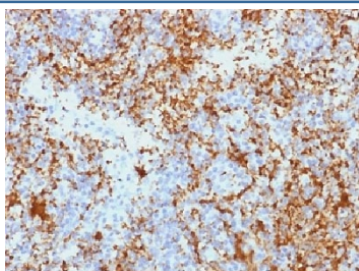
Catalog No.	Formulation	Size
V3255-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3255-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3255SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug



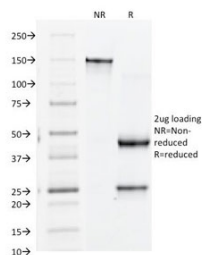
Citations (22)

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Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	Y2/51
Purity	Protein G affinity
UniProt	P05106
Localization	Cell surface, cytoplasmic
Applications	Immunohistochemistry (Frozen & FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This CD61 antibody is available for research use only.



IHC testing of FFPE human spleen tissue with CD61 antibody (clone Y2/51). Required HIER: boil tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 10-20 min.



SDS-PAGE Analysis of Purified, BSA-Free CD61 Antibody (clone Y2/51). Confirmation of Integrity and Purity of the Antibody.

Description

Reacts with human CD61, also called Integrin beta 3 (GPIIIa, vitronectin receptor beta chain). It associates with the α V-chain (CD51) to form vitronectin receptor, or with the α 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.

Application Notes

Titration of the CD61 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Phytohemagglutinin (PHA)-stimulated peripheral blood cells were used as the immunogen for the CD61 antibody.

Storage

Store the CD61 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).