

Product datasheet for **DM164PS**

CD61 (ITGB3) Mouse Monoclonal Antibody [Clone ID: Y2/51]

Product data:

Product Type:	Primary Antibodies
Clone Name:	Y2/51
Applications:	FC, IHC, WB
Recommended Dilution:	Flow Cytometry: Use 10 µl of 1/100-1/200 diluted antibody to label 10e6 cells in 100 µl. Immunohistochemistry on Frozen and Paraffin Sections: This product requires protein digestion pre-treatment of paraffin sections e.g. trypsin prior to staining. Western Blotting: Detects a band/s of approximately 90kDa in platelet lysates.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	PHA stimulated peripheral blood cells. Spleen cells from immunised Balb/c mice were fused with cells of the NS1 myeloma cell line.
Specificity:	This antibody recognises CD61.
Formulation:	PBS, pH 7.4 containing 0.09% Sodium Azide as preservative. State: Purified State: Liquid purified IgG fraction.
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	integrin subunit beta 3
Database Link:	Entrez Gene 3690 Human P05106



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Background:

CD61 is a 105kD glycoprotein, which is also known as integrin beta 3 chain. This molecule associates with either the alpha IIb integrin (CD41) or the alpha V integrin (CD51) at the cell surface. CD61 is expressed on platelets and megakaryocytes in association with CD41, and on endothelial cells, monocytes, platelets and osteoclasts in association with CD51. CD61 is a receptor for fibrinogen, fibronectin, vWF, vitronectin and thrombospondin.

Synonyms:

Integrin beta-3, GP3A, GPIIIa