

anti-human CD61 PE-conjugated

CD61 (beta3 integrin) is a transmembrane glycoprotein, which associates with CD41 or CD51 molecules to form heterodimeric adhesion receptors. CD41/CD61 complex is one of the earliest markers of the megakaryocytic lineage. It binds to fibronectin, fibrinogen and von Willebrand factor, and is involved in platelet aggregation. CD51/CD61 complex has similar binding properties and is involved in modulating migration and survival of angiogenic endothelial cells. CD61 is a useful marker of megakaryoblasts and megakaryoblastic leukaemias and inhibits binding of ligand (fibrinogen, fibronectin, etc.).

The monoclonal antibody C17 recognizes CD61, 110 kDa transmembrane glycoprotein (under reducing conditions) of integrin family and reacts with platelets, monocytes, some B cells, megakaryocytes, megakaryoblasts, endothelial cells, fibroblasts, smooth muscle cells and osteoblasts (integrin beta-3 chain) in complexed form and does not react with the platelets of patients with Glanzmann Thrombasthenia. This antibody has been clustered to CD61 in the Fourth, Fifth and Sixth International Workshop on Human White Cell Differentiation Antigens.

Clone:	C17
Isotype:	Mouse IgG1
Physical state:	Liquid for direct use
Form:	purified antibody conjugated with R-Phycoerythrin (R-PE)
Buffer:	PBS containing 1% BSA and 0.1% sodium azide (pH 7.4)
Storage:	Store at 4 °C. Do not freeze. Avoid prolonged exposure to light.
Application:	Indirect immunofluorescence staining with analysis by flowcytometry or fluorescence microscopy.
Reference:	Borne, A.E.G.Kr. von dem, Leucocyte Typing III, 748 (1987). Modderman, P.W. et al., Trombosis and Haemostasis, 60, 68 (1988). Knapp, W. et al., Immunology Today 10, 253 (1989).
Quantity:	1.0 ml
Order N°:	H12445P

Warning: Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32).

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