



CD61

Product: Anti-human CD61 monoclonal antibody.

Description: CD61 recognizes an Mr 110-kdalton (kDa) protein, also known as gpIIIa, the common β -subunit (integrin β 3-chain) of the gpIIb/IIIa complex and the vitronectin receptor (VNR). The gpIIb/IIIa complex and the VNR are integrins, ie, α / β -heterodimeric glycoprotein complexes that are involved in cell adhesion. With the CD41 antigen (gpIIb or aIIb), the CD61 antigen forms the gpIIb/IIIa complex, which acts as a receptor for fibrinogen, von Willebrand factor (vWf), fibronectin and vitronectin on activated platelets. With the CD51 antigen (VNR α -chain or α v), the CD61 antigen forms the VNR, which mediates activation-independent cell adhesion to vitronectin, vWf, fibrinogen, and thrombospondin. The CD61 antigen is found on all normal resting and activated platelets. The CD61 antigen is also found on endothelial cells, megakaryocytes, on some myeloid, erythroid and T-lymphoid leukemic cell lines.

Isotype: IgG1

Clone: 43.PL

Applications: Study of platelets and platelet derived microparticles in blood; Study of megakaryocytes and megakaryocytic leukemias; Study of idiopathic thrombocytopenia in blood and tissue; Study of cell adhesion.

Use: PBMC: Add 10 μ l of MAB/10⁶ PBMC in 100 μ l PBS. Mix gently and incubate for 15 minutes at 2^o to 8^oC. Wash twice with PBS and analyze or fix with 0.5% v/v of paraformaldehyde in PBS and analyze. WHOLE BLOOD: Add 10 μ l of MAB/100 μ l of whole blood. Mix gently and incubate for 15 minutes at room temperature (20^oC). Lyse the whole blood. Wash once with PBS and analyze or fix with 0.5% v/v of paraformaldehyde in PBS and analyze. See instrument manufacturer's instructions for Lysed Whole Blood and Immunofluorescence analysis with a flow cytometer or microscope.

Storage: Unconjugated antibodies supplied as a 1 mg/ml solution PBS and 0.08% sodium azide and should be stored at -20^oC. Conjugated antibodies are supplied in PBS, 0.08% sodium azide and 0.2% protein carrier and should be stored at 4-8^oC. Conjugated antibodies should not be frozen. Reagents are stable for the period shown on the vial label when stored properly.

Ordering Information:	Form	Vial Size	Catalog #
	Pure	100 μ g	0611
	FITC	100 Test	0612

For research use only. Not for use in human diagnostics or therapeutics.

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