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ImmBioMed GmbH & Co. KG
Bergstrasse 85, DE-64319 Pfungstadt
Phone: +49 6157 9799 685, Fax: +49 6157 86443

Monoclonal antibody against human CD61 PE conjugated

Product Nos. ADG5062 and ADG5062L

Description

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.). This antibody has been clustered to CD61 in the Fourth, Fifth and Sixth International Workshop on Human White Cell Differentiation Antigens.

Properties

The monoclonal antibody ADG5062/L (clone CLB-thromb/1, C17) is a murine monoclonal antibody, subclass IgG_1. The antibody has been purified from cell culture supernatant using protein-A affinity chromatography, Purity > 95% (by SDS-PAGE).

The antibody 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.

Conjugation

The purified antibody is conjugated with R-Phycoerythrin (R-PE) under optimum conditions. The reagent is adjusted for direct use. No reconstitution is necessary.

Presentation

Vial containing 500 µl (ADG5062) or 2 ml (ADG5062L) of purified antibody in PBS containing 1% BSA and 0.09% sodium azide (pH 7.2). The IgG concentration is 1 mg/ml. Spin the vial briefly before opening.

Storage and Stability

Store the antibody at 4°C. Avoid prolonged exposure to light. The reagent is stable until the expiry date stated on the vial label.

Applications

Flow cytometry.

References

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).

Hinweis/Note:
Der Packungsbeileger dient nur als erste Information. Der relevante Packungsbeileger liegt der Ware bei.

The datasheet is for information purposes only. The current datasheet will be enclosed with product shipment.