

Monoclonal antibody against human CD41

Product Nos. ADG5030 and ADG5030L

Description

CD41 (platelet glycoprotein IIb) is composed of two subunits (120 kDa α , α and 23 kDa β , β) that interact with CD61 in the presence of calcium to form a functional adhesive protein receptor. Upon blood vessel damage, this receptor binds to a variety of proteins including von Willebrand factor, fibrinogen, fibronectin and vitronectin. CD41 is mainly expressed on megakaryocyte-platelet lineage, but generally belongs to the antigens that are expressed during early stages of hematopoietic differentiation.

Properties

The monoclonal antibody ADG5030/L (clone TR8) is a murine monoclonal antibody, subclass IgG₁. The antibody has been purified from by protein-A affinity chromatography, Purity > 95% (by SDS-PAGE).

The antibody reacts with CD41 (GPIIb), a transmembrane glycoprotein (integrin family) composed of two chains GPIIb α (heavy chain; 120 kDa) and GPIIb β (light chain; 23 kDa). CD41 is mainly expressed on platelets and megakaryocytes.

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Presentation

Vial containing 100 μ g /100 μ l (ADG5030) or 300 μ g/ 300 μ l (ADG5030L) of purified antibody in PBS containing 0.09 % sodium azide (pH 7.2). The IgG concentration is 1 mg/ml. Spin the vial briefly before opening.

Storage and Stability

Store at 4 °C. For long-term storage aliquot and store at -20°. It is recommended to avoid freeze-thaw cycles. The reagent is stable until the expiry date stated on the vial label.

Applications

Flow Cytometry

References

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Ferkowicz MJ, Starr M, Xie X, Li W, Johnson SA, Shelley WC, Morrison PR, Yoder MC: Development. 2003 Sep;130(18):4393-403.

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Hinweis/Note:

Der Packungsbeileger dient nur als erste Information. Der relevante Packungsbeileger liegt der Ware bei.

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