

Monoclonal antibody against human CD41 PE conjugated

Product Nos. ADG5032 and ADG5032L

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 ADG5032/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.

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 μ l (ADG5032) or 2 ml (ADG5032L) 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

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IMMUNOLOGIE • MOLEKULARBIOLOGIE
BIOCHEMIE • PRODUKTE UND SYSTEME

Gerhart-Hauptmann-Str. 48
69221 Dossenheim

Tel +49 6221 868023

Fax +49 6221 8680255

www.loxo.de - info@loxox.de

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