

## Monoclonal antibody against human CD41

Product Nos. ADG5030 and ADG5030L

### Description

**CD41** (platelet glycoprotein IIb) is composed of two subunits (120 kDa  $\alpha$ ,  $\alpha$  and 23 kDa  $\beta$ ,  $\beta$ ) 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 IgG<sub>1</sub>. 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 $\alpha$  (heavy chain; 120 kDa) and GPIIb $\beta$  (light chain; 23 kDa). CD41 is mainly expressed on platelets and megakaryocytes.

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### Presentation

Vial containing 100  $\mu$ g /100  $\mu$ l (ADG5030) or 300  $\mu$ g/ 300  $\mu$ 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.

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

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