

## Monoclonal antibody against human CD41 FITC conjugated

Product Nos. ADG5031 and ADG5031L

### 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 ADG5031/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 $\alpha$  (heavy chain; 120 kDa) and GPIIb $\beta$  (light chain; 23 kDa). CD41 is mainly expressed on platelets and megakaryocytes.

### Conjugation

The purified antibody is conjugated with Fluorescein-isothiocyanate (FITC) under optimum conditions. The reagent is adjusted for direct use. No reconstitution is necessary.

### Presentation

Vial containing 500  $\mu$ l (ADG5031) or 2 ml (ADG5031L) 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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