

anti-human CD41a PE-conjugated

PE -conjugated monoclonal antibody DD4.1 to human CD41a

Cat-No: **21330414**

500 µl

Clone: DD4.1

Specificity:

This clone has been derived from hybridization of NS-1 cells with spleen cells of a BALB/c mouse immunized with medulloblastoma tissue. The monoclonal antibody reacts with megakaryocytes, platelets and recognizes the intact thrombocyte GPIIb/IIIa complex, i.e. it does not bind to dissociated GPIIb or GPIIIa. The antibody does not bind or reduced to thrombocytes from patients with Glanzmann's thrombasthenia and does not recognize the vitronectin receptor, which contains GPIIa as a beta subunit (cf. CD61). Apparent molecular mass under reducing conditions: GPIIIa: 110 kDa; GPIIb alpha chain: 125 kDa, beta chain: 25 kDa.

Isotype subclass: Mouse IgG1

Form:

The antibody was purified from ascites or tissue culture medium using column chromatography (ion exchange and/or affinity chromatography). Conjugation: Conjugated with R-phycoerythrin (PE). Molecular F/P ratio is between 1.0 - 2.0.

Physical state: Liquid

Buffer/Additives/Preservative: PBS containing 1 % BSA and 0.09 % sodium azide (pH 8.0).

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

Application: The monoclonal antibody is a useful marker for megakaryoblasts and megakaryoblastic leukaemia.

References: Modderman, P.W. et al., Thrombosis and Haemostasis, 60, 68 (1988).

Warning:

Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

This material is offered for **research only**. Not for use in human. For in vitro use only. ImmunoTools will not be held responsible for patent infringement or other violations that may occur with the use of our products.

ImmunoTools Excellent Quality - Advantageously priced

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