

1P-309-T100

Monoclonal Antibody to CD41 Phycoerythrin (PE) conjugated (100 tests)

Clone: MEM-06

Isotype: Mouse IgG1

Specificity: The antibody MEM-06 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. Workshop: HLDA 10

Regulatory Status: RUO

Immunogen: Leukocytes of patient suffering from LGL-type leukaemia.

Species Reactivity: Human

Preparation: The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum

conditions. The conjugate is purified by size-exclusion chromatography and

adjusted for direct use. No reconstitution is necessary.

Storage Buffer: The reagent is provided in stabilizing phosphate buffered saline (PBS) solution

containing 15mM sodium azide.

Storage / Stability: Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not

use after expiration date stamped on vial label.

Usage: The reagent is designed for Flow Cytometry analysis of human blood cells using

20 µl reagent / 100 µl of whole blood or 10⁶ cells in a suspension.

The content of a vial (2 ml) is sufficient for 100 tests.

Expiration: See vial label

Lot Number:

See vial label

Background: CD41 (platelet glycoprotein IIb) is composed of two subunits (120 kDa a, alpha and

23 kDa b, 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.



PRODUCT DATA SHEET

References:

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