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Datasheet for ABIN5633261  
**anti-CD41, CD61 antibody (FITC)**

1 Image

### Overview

|              |  |
|--------------|--|
| Quantity:    | 100 tests                                      |
| Target:      | CD41, CD61                                     |
| Reactivity:  | Human  |
| Host:        | Mouse  |
| Clonality:   | Monoclonal                                     |
| Conjugate:   | This CD41, CD61 antibody is conjugated to FITC |
| Application: | Flow Cytometry (FACS)                          |

### Product Details

|                             |   |
|-----------------------------|---|
| Immunogen:                  | Human platelets   |
| Clone:                      | PAC-1   |
| Isotype:                    | IgM kappa   |
| Specificity:                | The mouse monoclonal antibody PAC-1 recognizes an extracellular activation-induced conformational epitope PAC-1 on CD41/CD61 complex (gpIIb/IIIa), also known as integrin alpha IIb beta 3, a receptor which mediates platelet aggregation. |
| Cross-Reactivity (Details): | Human   |
| Purification:               | Purified antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.   |

## Target Details

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|                   |  |
|-------------------|--|
| Target:           | CD41, CD61   |
| Alternative Name: | CD41/CD61 ( <a href="#">CD41, CD61 Products</a> )  |
| Background:       | CD41 (platelet glycoprotein IIb, integrin alpha IIb) is composed of two subunits (120 kDa transmembrane alpha chain and 23 kDa extracellular beta chain) and interacts with CD61 (platelet glycoprotein IIIa, integrin beta 3) in the presence of calcium to form a functional adhesive protein receptor. CD41/CD61 complex is one of the earliest markers of the megakaryocytic lineage. Upon blood vessel damage, this receptor binds to a variety of proteins including von Willebrand factor, fibrinogen, fibronectin and vitronectin, and it is involved in platelet aggregation.,platelet GPIIb, Integrin alpha-11b, GPalpha IIb, GPIIb, GT, GP3A, platelet GPIIIa |

## Application Details

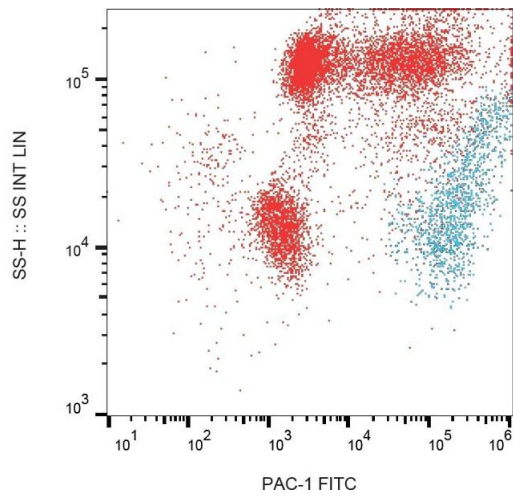
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|                    |  |
|--------------------|--|
| Application Notes: | Flow cytometry: The reagent is designed for analysis of human blood cells using 4 µL reagent / 100 µL of whole blood or 10 <sup>6</sup> cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests. |
| Comment:           | The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC and adjusted for direct use. No reconstitution is necessary.                 |
| Restrictions:      | For Research Use only  |

## Handling

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|                    |  |
|--------------------|--|
| Buffer:            | Stabilizing Tris buffered saline (TBS), pH 8.0, 15 mM sodium azide   |
| Preservative:      | Sodium azide   |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | 4 °C   |
| Storage Comment:   | Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.   |



### Flow Cytometry

**Image 1.** Flow cytometry surface staining pattern of PHA stimulated human peripheral whole blood showing CD41/CD61 positive platelets (blue) stained using anti-human CD41/CD61 (PAC-1) FITC antibody. platelets (blue) with anti-PAC-1 (PAC-1) FITC.