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Datasheet for ABIN7505934
anti-CD41, CD61 antibody (PerCP)

2 Images

Overview

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

Product Details

| | |
|---------------|---|
| Purpose: | Anti-Hu CD41/CD61 (PAC-1 epitope) PerCP |
| 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. |
| Purification: | Purified antibody is conjugated with activated Peridinin-Chlorophyll Protein (PerCP) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography. |

Target Details

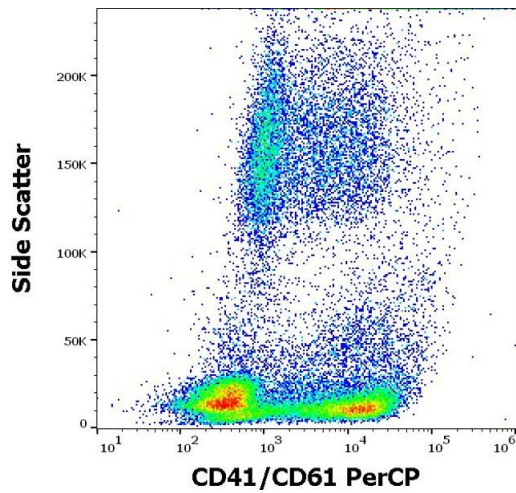
| | |
|-------------------|--|
| Target: | CD41, CD61 |
| Alternative Name: | CD41/CD61 (CD41, CD61 Products) |
| Background: | CD41 (platelet glycoprotein IIb, integrin alpha IIb) is composed of two subunits (120 kDa transmembrane alpha chain and 23 kDa extracellular beta chain) and interacts with CD61 (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 10 µL reagent / 100 µL of whole blood or 10 ⁶ cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests. |
| Restrictions: | For Research Use only |

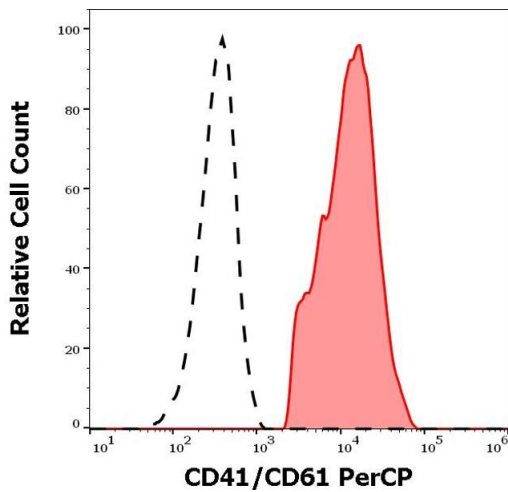
Handling

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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 stained using anti-human CD41/CD61 (PAC-1) PerCP antibody (10 μ L reagent / 100 μ L of peripheral whole blood).



Flow Cytometry

Image 2. Separation of CD41/CD61 positive thrombocytes (red-filled) from CD41/CD61 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of PHA stimulated human peripheral whole blood using anti-human CD41/CD61 (PAC-1) PerCP antibody (10 μ L reagent / 100 μ L of peripheral whole blood).