

## PE Anti-Mouse CD41 Antibody[MWReg30]

**Catalog Number:** E-AB-F1183D

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

|                                |   |
|--------------------------------|---|
| <b>Reactivity</b>              | Mouse   |
| <b>Host</b>                    | Rat   |
| <b>Isotype</b>                 | Rat IgG1, $\kappa$  |
| <b>Clone No.</b>               | MWReg30   |
| <b>Isotype Control</b>         | PE Rat IgG1, $\kappa$ Isotype Control[HRPN] [Product E-AB-F09822D]  |
| <b>Conjugation</b>             | PE  |
| <b>Conjugation Information</b> | PE is designed to be excited by the Blue (488 nm), Green (532 nm) and Yellow-Green (561 nm) lasers and detected using an optical filter centered near 575 nm (e.g., a 585/42 nm bandpass filter). |
| <b>Storage Buffer</b>          | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.   |

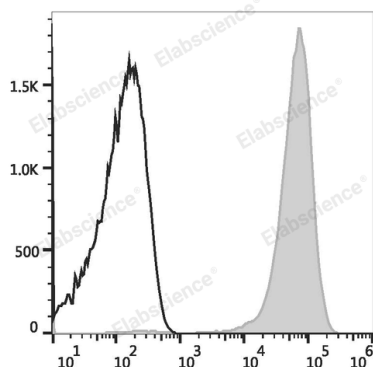
### Applications

### Recommended usage

#### FCM

Each lot of this antibody is quality control tested by flow cytometric analysis. **The amount of the reagent is suggested to be used 5  $\mu$ L of antibody per test (million cells in 100  $\mu$ L staining volume or per 100  $\mu$ L of whole blood).** Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

### Data



Mouse platelets are stained with PE Anti-Mouse CD41 Antibody (filled gray histogram) or PE Rat IgG1,  $\kappa$  Isotype Control (empty black histogram).

### Preparation & Storage

|                 |   |
|-----------------|---|
| <b>Storage</b>  | Keep as concentrated solution.<br>This product can be stored at 2-8°C for 12 months. Please protected from prolonged exposure to light and do not freeze. |
| <b>Shipping</b> | Ice bag   |

### Antigen Information

|                        |                                 |
|------------------------|---------------------------------|
| <b>Alternate Names</b> | CD41; GPIIb; GPAlfa lib; Itga2b |
| <b>Uniprot ID</b>      | Q9QUM0                          |
| <b>Gene ID</b>         | 16399                           |

### For Research Use Only

**Background**

CD41, also known as integrin  $\alpha 2b$  and GPIIb, is a transmembrane glycoprotein that is expressed by platelets and megakaryocytes. It was reported that CD41 is also expressed on hematopoietic progenitors. CD41 associates with CD61 (integrin  $\beta 3$ ) to form complexes that interact with fibrinogen, fibronectin, von Willebrand factor, and thrombin. CD41 is required for platelet adhesion and aggregation. Defect of CD41 leads to disorders of coagulation.

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