

## PE Anti-Mouse CD41 Antibody[MWReg30]

Catalog Number: E-AB-F1183UD

**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-F09823D]
<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% sodium azide and 1% BSA.

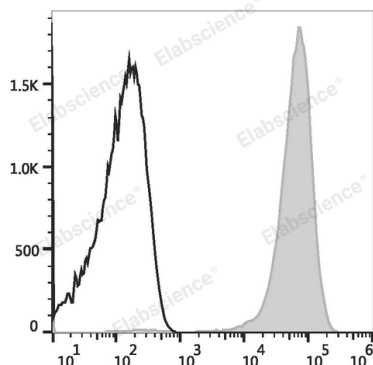
### Applications

### Recommended usage

#### FCM

Each lot of this antibody is quality control tested by flow cytometric analysis. Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is 0.1-1  $\mu\text{g}/10^6$  cells in 100  $\mu\text{L}$  volume].

### 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. 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; GPalpha 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.