

Elab Fluor® 700 Anti-Mouse CD41 Antibody[MWReg30]

Catalog Number: GFH1183M1

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

Description

Reactivity	Mouse
Host	Rat
Isotype	Rat IgG1, κ
Clone No.	MWReg30
Isotype Control	Elab Fluor® 700 Rat IgG1, κ Isotype Control[HRPN] [Product E-AB-F09822M1]
Conjugation	Elab Fluor® 700
Conjugation Information	Elab Fluor® 700 is designed to be excited by the Red laser (627-640 nm) and detected using an optical filter centered near 719 nm (e.g., a 725/40 nm bandpass filter).
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide.

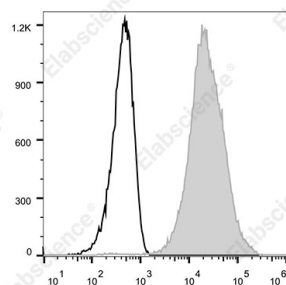
Applications

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 μL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood).** Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

Data



Staining of normal C57BL/6 murine peripheral blood cells with Elab Fluor® 700 Anti-Mouse CD41 Antibody[MWReg30] (filled gray histogram) or Elab Fluor® 700 Rat IgG1, κ Isotype Control(empty black histogram). Cells in the platelets gate were used for analysis.

Preparation & Storage

Storage	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.
Shipping	Ice bag

Antigen Information

Alternate Names	CD41; GPIIb; GPalpha lib; Itga2b
Uniprot ID	Q9QUM0
Gene ID	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.