

Purified Anti-Mouse CD41 Antibody[MWReg30]

catalog number: E-AB-F1183A

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

Description

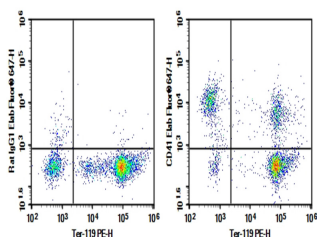
Reactivity	Mouse
Immunogen	Recombinant Mouse CD41 protein
Host	Rat
Isotype	Rat IgG1, κ
Clone	MWReg30
Purification	>98%, Protein A/G purified
Buffer	Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer. Dialyze to completely remove the stabilizer prior to labeling.

Applications

Recommended Dilution

FCM	2 $\mu\text{g/mL}$ (0.5×10^6 - 1×10^6 cells)
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Data



C57/BL6 Mouse peripheral blood were stained with 0.2 μg Purified Anti-Mouse CD41 Antibody[MWReg30] (Right) and 0.2 μg Rat IgG, κ Isotype Control (Left), followed by Elab

Fluor® 647-conjugated Goat Anti-Rat IgG Secondary Antibody, then anti-Rat Ter-119 PE-conjugated Monoclonal Antibody.

Preparation & Storage

Storage	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
Shipping	Ice bag

Background

CD44 is a 80-95 kD glycoprotein also known as Hermes, Pgp1, H-CAM, or HUTCH. It is expressed on all leukocytes, endothelial cells, hepatocytes, and mesenchymal cells. As B and T cells become activated or progress to the memory stage, CD44 expression increases from low or mid levels to high levels. Thus, CD44 has been reported to be a valuable marker for memory cell subsets. High CD44 expression on Treg cells has been associated with potent suppressive function via high production of IL-10. CD44 is an adhesion molecule involved in leukocyte attachment to and rolling on endothelial cells, homing to peripheral lymphoid organs and to the sites of inflammation, and leukocyte aggregation.

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