

## AF/LE Purified Anti-Mouse CD41 Antibody[MWReg30]

catalog number: E-AB-F11830

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

### Description

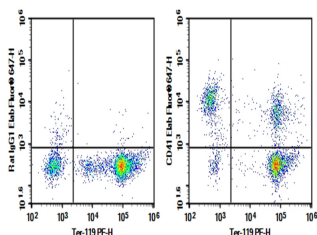
|                     |                                                                                       |
|---------------------|---------------------------------------------------------------------------------------|
| <b>Reactivity</b>   | Mouse                                                                                 |
| <b>Immunogen</b>    | Recombinant Mouse CD41 protein                                                        |
| <b>Host</b>         | Rat                                                                                   |
| <b>Isotype</b>      | Rat IgG1, $\kappa$                                                                    |
| <b>Clone</b>        | MWReg30                                                                               |
| <b>Purification</b> | >98%, Protein A/G purified                                                            |
| <b>Conjugation</b>  | None (AF/LE)                                                                          |
| <b>Buffer</b>       | Sterile PBS, pH 7.2. < 1.0 EU per mg of the antibody as determined by the LAL method. |

### Applications

### Recommended Dilution

|            |                                                          |
|------------|----------------------------------------------------------|
| <b>FCM</b> | 2 $\mu$ g/mL( $0.5 \times 10^6$ - $1 \times 10^6$ cells) |
|------------|----------------------------------------------------------|

### Data



C57/BL6 Mouse peripheral blood were stained with 0.2  $\mu$ g AF/LE Purified Anti-Mouse CD41 Antibody[MWReg30] (Right) and 0.2  $\mu$ g Rat IgG,  $\kappa$  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

|                 |                                                                                                                                                                                                    |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>  | Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles. This preparation contains no preservatives, thus it should be handled under aseptic conditions. |
| <b>Shipping</b> | 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.