

AF/LE Purified Anti-Human CD44 Antibody[Hermes-1]

Catalog Number: GF12150

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

Description

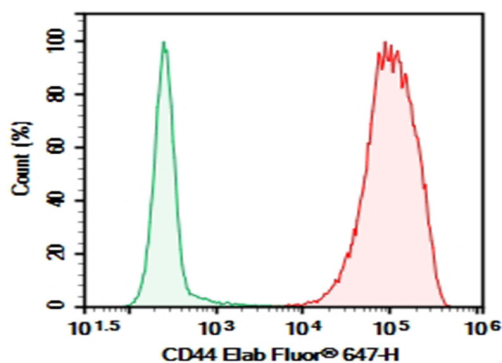
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|---------------------|---|
| Reactivity | Human |
| Immunogen | Recombinant Human CD44 protein |
| Host | Rat |
| Isotype | Rat IgG2a, κ |
| Clone | Hermes-1 |
| Purification | >98%, Protein A/G purified |
| Conjugation | None (AF/LE) |
| Buffer | Sterile PBS, pH 7.2. < 1.0 EU per mg of the antibody as determined by the LAL method. |

Applications

Recommended Dilution

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



Human peripheral blood lymphocytes were stained with 0.2 μg AF/LE Purified Anti-Human CD44 Antibody[Hermes-1] (Right) and 0.2 μg Rat IgG2a, κ Isotype Control (Left), followed by PE-conjugated Goat Anti-Rat IgG Secondary Antibody.

Preparation & Storage

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| Storage | 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. |
| 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 a low or mid level of intensity to high expression levels. Thus, CD44 has been reported to be a valuable marker for memory cell subsets. 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.