

Biotin Anti-Human/Mouse CD44 Antibody[IM7]

Catalog Number: E-AB-F1100B

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

Description

Reactivity	Human;Mouse
Host	Rat
Isotype	Rat IgG2b, κ
Clone No.	IM7
Isotype Control	Biotin Rat IgG2b, κ Isotype Control[LTF-2] [Product E-AB-F09843B]
Conjugation	Biotin
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

Applications

Recommended usage

FCM	Each lot of this antibody is quality control tested by flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is $\leq 1.0 \mu\text{g}$ per 10^6 cells in 100 μL volume or 100 μL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.
------------	---

Preparation & Storage

Storage	Keep as concentrated solution. This product can be stored at 2-8°C for 12 months. Do not freeze.
Shipping	Ice bag

Antigen Information

Alternate Names	MDU2MDU3MIC4;CD44;CD44 antigen;CDw44;Epican;LHR;PGP-1;PGP-I;Phagocytic glycoprotein 1;Phagocytic glycoprotein I
Uniprot ID	P15379;P16070
Gene ID	12505,960
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.

For Research Use Only