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.

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 ≤ 1.0 μg 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 24 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.

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