Product Datasheet

Biotin Anti-Human/Mouse CD44 Antibody [IM7]

Catalogue Code: AGEL0365

Antibody Data

Product SKU:	**AGEL0365**	**Clone:**	**IM7**
Applications:	**FCM**		
Reactivity:	**Human;Mouse**		

Important Note:

Centrifuge before opening to ensure complete recovery of vial contents.

Product Information:

Alternate Names: CD44 antigen;CD44;CDw44;Epican;Phagocytic glycoprotein 1;PGP-1;Phagocytic glycoprotein I;PGP-I;CD44;LHR; MDU2; MDU3; MIC4;

Uniprot ID: P15379 P16070

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.

Form: Liquid

Conjugation: Biotin

Size: 25µg, 100µg

Host Species: Rat

Isotype: Rat IgG2b, κ

Isotype Control: Biotin Rat IgG2b, κ Isotype Control[LTF-2] [Product AGEL0365]

Storage Buffer: Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

Shipping: Biological ice pack at 4℃

Stability & Storage:	Keep as concentrated solution. Store at 2~8°C and protected from prolonged exposure to light. Do not freeze. Centrifuge before opening to ensure complete recovery of vial contents. This product is guaranteed up to one year from purchase.
Recommended Usage:	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 106 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.