

Manufacturer/Supplier:

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Product name: Anti-Mouse/Human CD44 Monoclonal
Antibody(AF647 Conjugated)

Catalog: DL21195F

Synonyms: CD44 antigen, CD44, CDw44, Epican, Phagocytic
glycoprotein 1, PGP-1, Phagocytic glycoprotein
I, PGP-I, CD44, LHR, MDU2, MDU3, MIC4

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

Isotype: Rat IgG2b, κ

Size: 25 μ g/100 μ g

Host: Rat

Reactivity: Human, Mouse

Application: FCM

Concentration: 0.5 mg/mL

Conjugation: AF647

SwissProt: P15379,P16070

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

Recommended Use:

Each lot of this antibody is quality control tested by flow cytometric analysis. Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is 0.1-1

$\mu\text{g}/10^6\text{cells}$ in 100 μL volume].

Storage:

Keep as concentrated solution.

Store at 2~8°C and protected from prolonged exposure to light. Do not freeze.

This product is guaranteed up to one year from purchase.