

**Manufacturer/Supplier:**

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

**Catalog:** DL21187F

**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,  $\kappa$

**Size:** 25 $\mu$ g/100 $\mu$ g

**Host:** Rat

**Reactivity:** Human, Mouse

**Application:** FCM

**Concentration:** 0.5 mg/mL

**Conjugation:** FITC

**SwissProt:** P15379,P16070

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

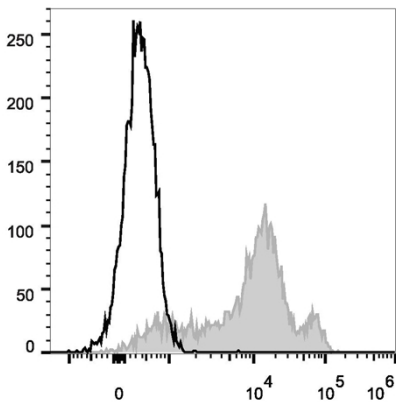
### Recommended Use:

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  $\mu\text{L}$  volume].

**Data:**

C57BL/6 murine splenocytes are stained with Anti-Mouse/Human CD44 Monoclonal Antibody(FITC Conjugated)[Used at  $0.2 \mu\text{g}/10^6$  cells dilution](filled gray histogram). Unstained splenocytes (empty black histogram) are used as control.



**Storage:**

Keep as concentrated solution.

Store at  $2\sim 8^{\circ}\text{C}$  and protected from prolonged exposure to light. Do not freeze.

This product is guaranteed up to one year from purchase.