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**Product name:** Anti-Mouse/Human CD44 Monoclonal  
Antibody(PE/Cyanine5.5 Conjugated)

**Catalog:** DL21183F

**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:**

**Host:** Rat

20Tests/100Tests/100Tests $\times$ 2

**Reactivity:** Human, Mouse

**Application:** FCM

**Concentration:** 5  $\mu$ L

**Conjugation:** PE/Cyanine5.5

**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. The amount of the reagent is suggested to be used 5  $\mu$ L of antibody per test (million cells in 100  $\mu$ L staining volume or per 100  $\mu$ L of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined

for individual use.

**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.