

**Manufacturer/Supplier:**

WUXI DONGLIN SCI&TECH DEVELOPMENT CO., LTD

**Address:** A1-203 Mingpin CityII, No.8 Xihudong Road, Liangxi District  
Wuxi Jiangsu Province, China

TELE: 86-510-82732223

FAX: 86-510-82720101-8014

**Web :** [www.dldevelop.com](http://www.dldevelop.com)

Email: [info@dldevelop.com.cn](mailto:info@dldevelop.com.cn)    [service@dldevelop.com.cn](mailto:service@dldevelop.com.cn)

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

**Catalog:** DL21177F

**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:** Biotin

**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. For flow cytometric staining, the suggested use of this reagent is  $\leq 1.0 \mu\text{g}$  per  $10^6$  cells in 100  $\mu\text{L}$  volume or 100  $\mu\text{L}$  of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

**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.