



11 Park Drive, Suite 12
Boston, MA 02215

Rat monoclonal anti mouse CD44

(Azide-free & Low endotoxin)

ORDERING INFORMATION

Catalog Number:	gAP-0014
Size:	1.00 mg
Storage:	< -20° C
Immunogen:	Recombinant mouse CD44 protein
Ig Type:	Rat IgG2
Clone	AP-MAB0821
Endotoxin Level	< 0.002EU/μg IgG*
Applications:	FC, IHC, and Blocking

Description: CD44 is an 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 a low or mid level of intensity to high expression levels. Thus, CD44 has been reported to be a valuable marker for memory cell subsets. 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.

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a rat immunized with recombinant mouse CD44 protein

Formulation: The IgG fraction of **culture supernatant** was purified by Protein A/G affinity chromatography and lyophilized from a 0.2 μm filtered solution in phosphate-buffered saline (PBS, **Azide Free**).

Reconstitution: Reconstitute the antibody with sterile PBS and the reconstituted antibody can be aliquoted and stored frozen at < -20 for at least for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.** Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C.

Specificity: The antibody was selected for its ability to detect CD44 on all leukocytes, epithelial cells, endothelial cells, hepatocytes, and mesenchymal cells.

***Endotoxin Level:** Extremely low level of LPS (< 0.002EU/μg IgG)

Application(s):

1. FC
2. Immunohistochemical staining (frozen sections)
3. In vivo blocking of DTH

* The antibody is produced by in vitro culture.

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