

Rat monoclonal anti human CD44

(Azide-free & Low endotoxin)

ORDERING INFORMATION

Catalog Number:	gAP-0220
Size:	1.00 mg
Storage:	< -20° C
Immunogen:	Recombinant human CD44
Ig Type:	Rat IgG2a
Clone	AP-MAB1620
Endotoxin Level	< 0.002EU/μg IgG*
Applications:	FC, IHC, IF, IP and Neutralization

Description: The protein encoded by CD44 gene is a cell-surface glycoprotein involved in cell-cell interactions, cell adhesion and migration. It is a receptor for hyaluronic acid (HA) and can also interact with other ligands, such as osteopontin, collagens, and matrix metalloproteinases (MMPs). This protein participates in a wide variety of cellular functions including lymphocyte activation, recirculation and homing, hematopoiesis, and tumor metastasis. Transcripts for this gene undergo complex alternative splicing that results in many functionally distinct isoforms, however, the full length nature of some of these variants has not been determined. Alternative splicing is the basis for the structural and functional diversity of this protein, and may be related to tumor metastasis.

Preparation: This antibody was produced from a hybridoma (rat myeloma fused with spleen cells from a rat immunized with **Recombinant Human CD44**).

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.

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

Application(s):

- 1. FC**
- 2. IHC and IF**
- 3. IP**
- 4. Neutralization**

(This clone is cross reactive to mouse, bovine, goat, human, ovine, and rabbit)

*** The antibody is produced by in vitro culture and for research use only**