



11 Park Drive, Suite 12
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Rat monoclonal anti mouse CD18 (Azide-free & Low endotoxin)

ORDERING INFORMATION

| | |
|-----------------|--|
| Catalog Number: | gAP-0009 |
| Size: | 1.00 mg |
| Storage: | < -20° C |
| Immunogen: | Mouse CTL glycoprotein |
| Ig Type: | Rat IgG2 |
| Clone | AP-MAB0816 |
| Endotoxin Level | < 0.002EU/μg IgG* |
| Applications: | Blocking tumor cells metastasis Stimulating cell adhesion |

Description: CD18 is a 95 kD protein, also known as integrin β_2 subunit. It is expressed on all leukocytes. CD18, in association with integrin α chain CD11a, CD11b, and CD11c forms LFA-1, Mac-1, and $\alpha_X\beta_2$, respectively, and plays an important role in leukocytes adhesion. The CD18 integrin complexes bind ICAM-1 (CD54), ICAM-2 (CD102), ICAM-3 (CD50), iC3b, and fibrinogen. The M18/2 antibody is able to block tumor cell metastasis and enhance cell adhesion.

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a rat immunized with mouse **Mouse CTL glycoprotein**)

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 all leukocytes.

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

Application(s):

1. In vitro and in vivo blocking of tumor cells metastasis
2. Stimulating of cell-adhesion

* The antibody is produced by in vitro culture.

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