

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 μ m 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 and for Research Use Only**