

Rat monoclonal anti mouse VLA-4 (CD49d) **(Azide-free & Low endotoxin)**

ORDERING INFORMATION

Catalog Number:	gAP-0058
Size:	1.00 mg
Storage:	< -20° C
Immunogen:	Mouse spontaneous T lymphoma line TK1
Ig Type:	Rat IgG2
Clone	AP-MAB0865
Endotoxin Level	< 0.002EU/μg IgG*
Applications:	FC, IP, IHC (Frozen) and Depletion

Description: CD49d is a 150 kD glycoprotein, also known as $\alpha 4$ integrin or VLA-4 α chain. It is a member of the integrin family, expressed on T and B cells, monocytes, eosinophils, basophils, mast cells, thymocytes, NK cells, and dendritic cells. CD49d is a heterodimer expressed with either of two β chains, $\beta 1$ (CD29) or $\beta 7$, to form the VLA-4 (integrin $\alpha 4\beta 1$) or LPAM-1 (integrin $\alpha 4\beta 7$) complexes. CD49d plays a critical role in both adhesion and T cell costimulation. The primary ligands for CD49d are VCAM-1, MAdCAM-1, and fibronectin.

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a rat immunized with **Mouse spontaneous T lymphoma line TK1**).

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.

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

Application(s):

- 1. FC**
- 2. IP**
- 3. IHC (Frozen)**
- 4. Blocking cell-cell adhesion via CD49d**

*** The antibody is produced by in vitro culture and For Research Use Only.**