11 Park Drive, Suite 12
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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 α4 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, β1 (CD29) or β7, to form the VLA-4 (integrin α4β1) or LPAM-1 (integrin α4β7) 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 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. **IP**
3. **IHC (Frozen)**
4. **Blocking cell-cell adhesion via CD49d**

*** The antibody is produced by in vitro culture.**

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