

Rat monoclonal anti mouse LPAM-1 (Integrin $\alpha 4\beta 7$)

(Azide-free & Low endotoxin)

ORDERING INFORMATION

Catalog Number:	gAP-0034
Size:	1.00 mg
Storage:	< -20° C
Immunogen:	TK1 cells
Ig Type:	Rat IgG2
Clone	AP-MAB0841
Endotoxin Level	< 0.002EU/μg IgG*
Applications:	FC, IP, IHC (Frozen) & Blocking

Description: Integrin $\alpha 4\beta 7$ is composed of a 150 kD ($\alpha 4$ or CD49d) and a 130 kD ($\beta 7$) heterodimer, also known as CD49d/ $\beta 7$, or LPAM-1. It belongs to Ig superfamily found on majority of peripheral lymphocytes and subsets of thymocytes and bone marrow cells (including mast cell progenitors). Integrin $\alpha 4\beta 7$ binds its ligands, VCAM-1 (CD106), MAdCAM-1 and fibronectin, and plays an important role in lymphocytes adhesion and helps direct the migration of blood lymphocytes to the intestine and associated lymphoid tissues.

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

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/ μ g IgG)

Application(s):

- 1. FC and IP**
- 2. IHC (Frozen)**
- 3. Blocking $\alpha 4\beta 7$ mediated lymphocyte adhesion to VCAM-1, MAdCAM-1 and fibronectin**

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