

Rat monoclonal anti human Integrin beta 7

(Azide-free & Low endotoxin)

ORDERING INFORMATION

Catalog Number:	gAP-0218
Size:	1.00 mg
Storage:	< -20° C
Immunogen:	Recombinant human Integrin beta 7
Ig Type:	Rat IgG2a
Clone	AP-MAB1618
Endotoxin Level	< 0.002EU/μg IgG*
Applications:	FC and Blocking

Description: Integrin β7 is a 130 kD glycoprotein also known as integrin βp. It is a member of the Ig superfamily. In association with integrin α4 or αE chain, β7 forms α4/β7 or αE/β7 heterodimer. α4/β7 (CD49d/β7, LPAM-1) is expressed on the majority of peripheral lymphocytes, on small subsets of thymocytes, and bone marrow progenitors. LPAM-1 binds to several ligands, VCAM-1, MAdCAM-1 and fibronectin, and is involved in lymphocyte adhesion and some hematopoietic progenitor cells migration. αE/β7 (CD103/β7, αIEL/β7) is expressed on intestinal intraepithelial lymphocytes (IEL), dendritic epidermal T cells, T regulatory cells, a subset of CD8+ T cells in lymph nodes and lamina propria. CD103/β7 complex is thought to play a role in lymphocyte retention via interaction with its ligand E-Cadherin.

Preparation: This antibody was produced from a hybridoma (rat myeloma fused with spleen cells from a rat immunized with **Recombinant Human integrin beta 7**).

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. Blocking (integrin beat 7 mediated cell binding)**
This clone is cross reactive to mouse integrin beat 7)

*** The antibody is produced by in vitro culture and for research use only**