

## PE/Cy5 Anti-Mouse LPAM-1 (Integrin $\alpha4\beta7$ ) Monoclonal Antibody



天津三箭生物技术股份有限公司  
Tianjin Sungene Biotech Co., Ltd.  
精准 高效 稳定 Precision Efficient Stable

Catalog Number	Vial Size
M100L2-35A	25 $\mu$ g
M100L2-35C	100 $\mu$ g

**Market** | 400-621-0003  
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**Important Note:** Centrifuge before opening to ensure complete recovery of vial contents.  
This product is guaranteed up to one year from purchase.

### Purified Antibody Characterization

Clone	Isotype	Reactivity
DATK32	Rat IgG2a	Mouse

### Description

DATK32 antibody is specific for a combinatorial determinate of integrin  $\alpha4\beta7$  complex. Integrin  $\alpha4\beta7$  is composed of a 150 kD ( $\alpha4$  or CD49d) and a 130 kD ( $\beta7$ ) heterodimer, also known as CD49d/ $\beta7$  or LPAM-1. Belonging to the Ig superfamily, it is found on the majority of peripheral lymphocytes and subsets of thymocytes and bone marrow cells (including mast cell progenitors). Integrin  $\alpha4\beta7$  binds its ligands, VCAM-1 (CD106), MAdCAM-1 and fibronectin, and plays an important role in lymphocytes adhesion and the direction of migration of blood lymphocytes to the intestine and associated lymphoid tissues.

### Product Information

**Conjugation:** PE/Cy5

**Formulation:** PBS pH 7.2, 0.09%  $\text{NaN}_3$ , 0.2% BSA

**Concentration:** 0.2 mg/ml

**Storage:** Keep as concentrated solution. Store at 4°C and protected from prolonged exposure to light. **Do not freeze.**

**Application:** Recommended Application: FC

**Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis (The amount of the reagent is suggested to be used  $\leq 1.0 \mu\text{g} / 10^6$  cells in 100  $\mu\text{l}$ ). Since applications vary, the appropriate dilutions must be determined for individual use.

### References

- [1] Andrew DP, et al. 1994. J. Immunol. 153:3847.
- [2] Berlin C, et al. 1994. Cell 74:185.
- [3] Gurish MF, et al. 2001 J. Exp. Med. 194:1243.
- [4] Hamann A, et al. 1994. J. Immunol. 152:3282.

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