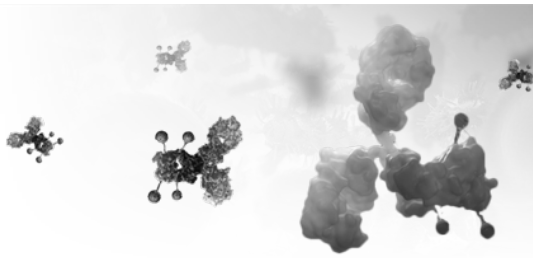

# Rat Anti-Mouse LPAM-1 (Integrin α4β7) Monoclonal antibody, clone DATK32 (CABT-L4340)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

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| **Product Overview** | The DATK32 monoclonal antibody reacts with mouse LPAM-1 also known as integrin alpha 4 beta 7. The 130 kDa integrin β7 chain associates with the 150 kDa integrin α4 (CD49d) chain to form LPAM-1, a member of the Ig superfamily. LPAM-1 is expressed by peripheral lymphocytes, small subsets of thymocytes, and bone marrow progenitors. LPAM-1 binds VCAM-1 (CD106), MAdCAM-1, and fibronectin and facilitates lymphocyte adhesion and migration to the intestine and associated lymphoid tissues. The DATK32 antibody has been reported to block LPAM-1-mediated cell adhesion in vivo. |
| **Target** | Mouse LPAM-1 (Integrin α4β7) |
| **Immunogen** | TK1 cells |
| **Isotype** | IgG2a, κ |
| **Source/Host** | Rat |
| **Species Reactivity** | Mouse |
| **Clone** | DATK32 |
| **Purification** | Protein G purified.<br>Purity>95%. Determined by SDS-PAGE |
| **Conjugate** | Functional Grade |
| **Applications** | in vivo Integrin α4β7 neutralization, FC |
| **Molecular Weight** | 150 kDa |

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| **Format** | 0.2 μM filtered liquid. Purified from tissue culture supernatant in an animal free facility |
| **Concentration** | Lot specific |
| **Size** | 5 mg |
| **Buffer** | PBS, pH 7.0. Contains no stabilizers or preservatives. [low endotoxin azide-free]<br><br>Endotoxin level: <2EU/mg (<0.002EU/μg). Determined by LAL gel clotting assay<br>Related dilution buffer: CABT-LB04 |
| **Preservative** | None |
| **Storage** | The antibody solution should be stored undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze. |
| **Ship** | Wet ice |

# BACKGROUND

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| **Introduction** | lymphocyte Peyer's patch HEV adhesion molecule-1 |
| **Keywords** | LPAM-1;lymphocyte Peyer's patch HEV adhesion molecule-1;lymphocyte Peyer's patch HEV adhesion molecule;LPAM |

# GENE INFORMATION

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|---|---|
| **Official Symbol** | lymphocyte Peyer's patch HEV adhesion molecule-1 |
| **Synonyms** | LPAM-1; lymphocyte Peyer's patch HEV adhesion molecule-1; lymphocyte Peyer's patch HEV adhesion molecule; LPAM |
| **References** | Rosser, E. C., et al. (2014). "Regulatory B cells are induced by gut microbiota-driven interleukin-1beta and interleukin-6 production." Nat Med 20(11): 1334-1339. PubMed; |

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