

# Anti-Mouse LPAM1 (DATK32) In Vivo Antibody - Low Endotoxin

**Product Code:** ICH1105

**Bulk anti-LPAM1 In Vivo Antibody - Low Endotoxin (DATK32)**

## **Product Benefits:**

ichorbio's anti-LPAM1 In Vivo Antibody - Low Endotoxin (DATK32) is manufactured in a cGMP compliant, ISO Quality Standard 9001:2015 facility. ichorbio's low endotoxin antibodies have half the endotoxin of comparable antibodies from [Bio X Cell](#) at less than 1.0 EU/mg. If ichorbio's low endotoxin antibodies are not low enough we also offer ultra low endotoxin antibodies which have even less endotoxin (0.5EU/mg) at an even higher purity (98% versus 95%). ichorbio: the best antibodies for *in vivo* research.

## **Target:**

LPAM1

## **Clone:**

DATK32

## **Isotype:**

Rat IgG2a

## **Other Names:**

Integrin alpha 4 beta 7, CD49d/beta7, ITGA4, ITGB7

## **Host:**

Rat

## **Species Reactivity:**

Mouse

**Specificity:**

Anti-LPAM1 In Vivo Antibody - Low Endotoxin (DATK32) recognizes an epitope on Mouse LPAM1 a 130 kDa integrin B7 chain associates with the 150 kDa integrin A4 (CD49d) chain to form LPAM-1, a member of the Ig superfamily

**Purification Method:**

This monoclonal antibody was purified using multi-step affinity chromatography methods such as Protein A or G depending on the species and isotype.

**Antigen Distribution:**

A majority of peripheral lymphocytes and subsets of bone marrow cells

**Immunogen:**

TK1 cells

**Concentration:**

$\geq 2.0$  mg/ml

**Formulation:**

0.01 M phosphate buffered saline (PBS) pH 7.2, 150 mM NaCl with no carrier protein, potassium or preservatives added. BSA and Azide free.

**Purity:**

>95% by SDS-PAGE and HPLC

>98% by SDS-PAGE and HPLC

**Endotoxin:**

$\leq 1.0$  EU/mg as determined by the LAL method

$\leq 0.75$  EU/mg as determined by the LAL method

**Aggregation:**

Aggregation level  $\leq 5\%$

Aggregation level  $\leq$  1%

### **Storage:**

This antibody is stable for at least 4 weeks when stored at 2-8°C. For long term storage, aliquot in working volumes without diluting and store at - 20°C or -80°C. Avoid repeated freeze thaw cycles.

### **Applications:**

Western Blot, Blocking

### **Application Notes:**

Blocking: Clone DATK32 antibody has been reported to block LPAM-1-mediated cell adhesion in vivo. Each investigator should determine their own optimal working dilution for specific applications.

### **Use:**

Products are for research use only.

### **Isotype Control:**

[Rat IgG2a In Vivo Isotype Control - Low Endotoxin \[1-1\] \(ICH2244\)](#)

### **Alternative Names:**

- Antigen CD49D antibody
- CD49d antibody
- IA4 antibody
- Integrin alpha 4 subunit antibody
- Integrin alpha IV antibody
- Integrin beta 7 antibody
- Integrin beta 7 subunit antibody
- ITGA4 antibody
- ITGB7 antibody
- LPAM1 antibody