

## InVivoMAb anti-mouse LPAM-1 (Integrin $\alpha 4\beta 7$ )

### Lot Specific Information

<b>Lot Number:</b>	Lot Specific*
<b>Volume:</b>	Lot Specific*
<b>Concentration:</b>	Lot Specific* (generally 4 to 11 mg/ml) *
<b>Total Protein:</b>	Lot Specific*

\*This information will be noted on the certificate of analysis that ships with this product.

### Product Information

<b>Catalog Number:</b>	<b>BE0034</b>
<b>Clone:</b>	<b>DATK32</b>
<b>Isotype:</b>	Rat IgG2a, $\kappa$
<b>Recommended Isotype Control(s):</b>	InVivoMAb rat IgG2a isotype control, anti-trinitrophenol
<b>Recommended Dilution Buffer:</b>	InVivoPure pH 7.0 Dilution Buffer
<b>Immunogen:</b>	TK1 cells
<b>Reported Applications:</b>	<i>in vivo</i> Integrin $\alpha 4\beta 7$ neutralization Flow cytometry
<b>Formulation:</b>	PBS, pH 7.0 Contains no stabilizers or preservatives
<b>Endotoxin:</b>	<2EU/mg (<0.002EU/ $\mu$ g) Determined by LAL gel clotting assay
<b>Purity:</b>	>95% Determined by SDS-PAGE
<b>Sterility:</b>	0.2 $\mu$ M filtered
<b>Production:</b>	Purified from tissue culture supernatant in an animal free facility
<b>Purification:</b>	Protein G
<b>RRID:</b>	AB_1107713
<b>Molecular Weight:</b>	150 kDa

### Description

The DATK32 monoclonal antibody reacts with mouse LPAM-1 also known as integrin alpha 4 beta 7. The 130 kDa integrin  $\beta 7$  chain associates with the 150 kDa integrin  $\alpha 4$  (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*.

### Shelf-life and Storage

Store at the stock concentration at 4°C. **Do not freeze.**

All Bio X Cell antibodies have a guaranteed shelf-life of one year from the date of customer receipt when stored as recommended. It is not uncommon for a floccule or precipitate to appear during storage. The floccule is typically buffer salts precipitating out of solution or a small bit of protein aggregation. For information on how to remove floccules or precipitates see our FAQ's at [bxcell.com/faqs](https://bxcell.com/faqs).

### Protocol Information

Since applications vary, each investigator should use the application references as a guide to help estimate the appropriate dose or concentration. The dose or concentration can be further optimized experimentally in a dose response or titration experiment.

### Application References

For a complete list of references, visit <https://bxcell.com/product/m-lpam-1/#references> or scan the QR code below.

### Bio X Cell, Inc.

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