

## Product datasheet

# APC Anti-Integrin alpha 4+beta 7 antibody [DATK32 (DATK-32)] ab93539

[3 References](#) [1 Image](#)

### Overview

<b>Product name</b>	APC Anti-Integrin alpha 4+beta 7 antibody [DATK32 (DATK-32)]
<b>Description</b>	APC Rat monoclonal [DATK32 (DATK-32)] to Integrin alpha 4+beta 7
<b>Host species</b>	Rat
<b>Conjugation</b>	APC. Ex: 645nm, Em: 660nm
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse
<b>Immunogen</b>	Tissue, cells or virus corresponding to Mouse Integrin alpha 4+beta 7. TK-1 cell line
<b>Positive control</b>	Flow Cyt: Mouse spleen cells and C57Bl/6 bone marrow cells.
<b>General notes</b>	<p>Binding of the DATK32 monoclonal antibody has been shown to induce aggregation of the CD8+ T cell lymphoma TK1, and block Integrin alpha 4 beta 7 mediated cell adhesion.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C.
<b>Storage buffer</b>	<p>pH: 7.20</p> <p>Preservative: 0.09% Sodium azide</p> <p>Constituents: 0.12% Monobasic dihydrogen sodium phosphate, 0.88% Sodium chloride, 0.1% Gelatin</p>
<b>Purity</b>	Immunogen affinity purified
<b>Primary antibody notes</b>	Binding of the DATK32 monoclonal antibody has been shown to induce aggregation of the CD8+ T cell lymphoma TK1, and block Integrin alpha 4 beta 7 mediated cell adhesion.

<b>Clonality</b>	Monoclonal
<b>Clone number</b>	DATK32 (DATK-32)
<b>Isotype</b>	IgG2a
<b>Light chain type</b>	kappa

## Applications

**The Abpromise guarantee** Our [Abpromise guarantee](#) covers the use of ab93539 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

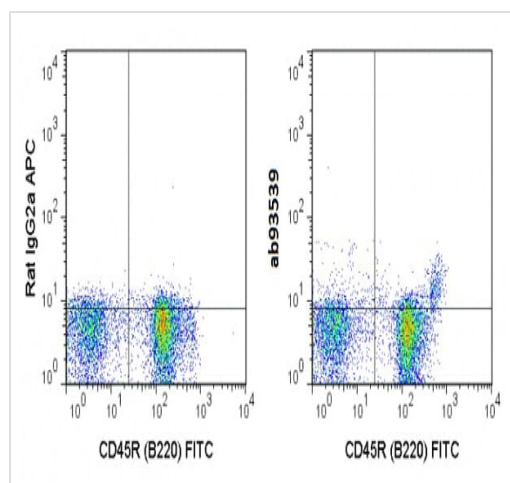
Application	Abreviews	Notes
Flow Cyt		Use at an assay dependent concentration.

## Target

**Relevance** Integrin alpha 4 beta 7, also known as, the lymphocyte Peyer's patch adhesion molecule (LPAM1) is a member of the integrin family of cell surface receptors. It is expressed primarily on mucosal lymphocytes, but is also present on NK cells and eosinophils. The alpha 4 beta 7 heterodimer mediates the binding of lymphocytes to its ligand, mucosal vascular addressin (MAdCAM1) on the high endothelial venules, thereby directing the homing of lymphocytes into Peyer's patches and intestinal lamina propria.

**Cellular localization** Membrane; Single pass type I membrane protein.

## Images



C57Bl/6 bone marrow cells stained with FITC-conjugated anti-mouse CD45 (B220) and 0.25µg ab93539 (right) or 0.25µg APC-conjugated rat IgG2a isotype control (left).

Flow Cytometry - APC Anti-Integrin alpha 4+beta 7 antibody [DATK32 (DATK-32)] (ab93539)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

## **Our Abpromise to you: Quality guaranteed and expert technical support**

---

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

## **Terms and conditions**

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors