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# PE Anti-Human Integrin β7 Antibody[FIB504]

Catalog Number: AN00571D

Note: Centrifuge before opening to ensure complete recovery of vial contents.

#### Description

Reactivity Human Rat Host

Isotype Rat IgG2a, ĸ FIB504 Clone No.

PE Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09832D] Isotype Control

Conjugation

**Conjugation Information** PE is designed to be excited by the Blue (488 nm), Green (532 nm) and Yellow-Green

(561 nm) lasers and detected using an optical filter centered near 575 nm (e.g., a 585/42

nm bandpass filter).

Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

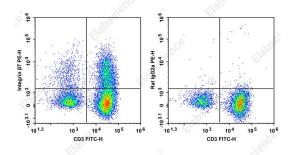
#### **Applications** Recommended usage

**FCM** Each lot of this antibody is quality control tested by flow cytometric analysis. The amount

of the reagent is suggested to be used 5 µL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for

individual use.

#### **Data**



Staining of normal human peripheral blood cells with PE Anti-Human Integrin β7 Antibody[FIB504] (filled gray histogram) or PE Rat IgG2a, κ Isotype Control (empty black histogram). Cells in the lymphocytes gate were used for analysis.

## **Preparation & Storage**

**Storage** Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Please protected from prolonged

exposure to light and do not freeze.

Shipping Ice bag

## **Antigen Information**

**Alternate Names** VI 6T-101;VI A024 **Uniprot ID** P26010;P26011

# For Research Use Only

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#### **Elabscience Bionovation Inc.**



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Gene ID **Background**  3695;16421

Integrin β7 is a 130 kD glycoprotein also known as integin βp. It is a member of the Ig superfamily. In association with integrin  $\alpha 4$  or  $\alpha E$  chain,  $\beta 7$  forms  $\alpha 4/\beta 7$  or  $\alpha E/\beta 7$ heterodimer. α4/β7 (CD49d/β7, LPAM-1) is expressed on the majority of peripheral lymphocytes, on small subsets of thymocytes, and bone marrow progenitors. LPAM-1 binds to several ligands, VCAM-1, MAdCAM-1 and fibronectin, and is involved in lymphocyte adhesion and some hematopoietic progenitor cells migration. αΕ/β7 ( CD103/β7,αIEL/β7) is expressed on intestinal intraepithelial lymphocytes (IEL), dendritic epidermal T cells, T regulatory cells, a subset of CD8+ T cells in lymph nodes and lamina propria. CD103/β7 complex is thought to play a role in lymphocyte retention via interaction with its ligand E-Cadherin.

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