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# PE/Elab Fluor® 594 Anti-Human/Mouse Integrin β7 Antibody[FIB21]

Catalog Number: AN00423P

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

## Description

Reactivity Human; Mouse

**Host** Rat

IsotypeRat lgG2b,  $\kappa$ Clone No.FIB21

Isotype Control

PE/Elab Fluor® 594 Rat IgG2b, κ Isotype Control[LTF-2] [Product E-AB-F09842P]

Conjugation PE/Elab Fluor® 594

Conjugation Information PE/Elab Fluor® 594 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 620 nm

(e.g., a 610/20 nm bandpass filter).

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

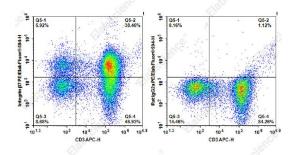
#### Applications Recommended usage

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  $\mu$ L of antibody per test (million cells in 100  $\mu$ L staining volume or per 100  $\mu$ L 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 APC

Anti-Human CD3 Antibody and PE/Elab Fluor<sup>®</sup> 594 Anti-Human/Mouse integrin β7 Antibody[FIB21] (left) or PE/Elab

Fluor<sup>®</sup> 594 Rat IgG2a Isotype Control (right). 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** β7 Integrin;integrin βp;ITGB7

**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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