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PE Anti-Mouse LPAM-1 Antibody[DATK32]

Catalog Number: AN00563D

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

Description

Reactivity Mouse Host Rat

Isotype Rat IgG2a, κ
Clone No. DATK32

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

Conjugation PE

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.

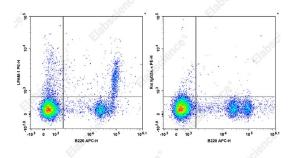
Applications Recommended usage

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 μ L of antibody per test (million cells in 100 μ L staining volume or per 100 μ 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 C57BL/6 murine splenocytes cells with APC Anti-Mouse B220 Antibody and PE Anti-Mouse LPAM-1 Antibody[DATK32] (left) or PE Rat IgG2a, κ Isotype Control (right). Total viable cells 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 lce bag

Antigen Information

Alternate Names α4β7 Integrin;CD49d/β7;LPAM-1;ITGA4;ITGB7

 Uniprot ID
 P26011;Q00651

 Gene ID
 311144;25713

For Research Use Only

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Background

DATK32 antibody is specific for a combinatorial determinate of integrin $\alpha4\beta7$ complex. Integrin $\alpha4\beta7$ is composed of a 150 kD ($\alpha4$ or CD49d) and a 130 kD ($\beta7$) heterodimer, also known as CD49d/ $\beta7$ or LPAM-1. Belonging to the Ig superfamily, it is found on the majority of peripheral lymphocytes and subsets of thymocytes and bone marrow cells (including mast cell progenitors). Integrin $\alpha4\beta7$ binds its ligands, VCAM-1 (CD106), MAdCAM-1 and fibronectin, and plays an important role in lymphocytes adhesion and the direction of migration of blood lymphocytes to the intestine and associated lymphoid tissues.

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