

APC Anti-Mouse LPAM-1 Antibody[DATK32]

Catalog Number: AN00563E

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	APC Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09832E]
Conjugation	APC
Conjugation Information	APC is designed to be excited by the Red (627-640 nm) laser and detected using an optical filter centered near 660 nm (e.g., a 660/20 nm bandpass filter).
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide and 1% BSA.

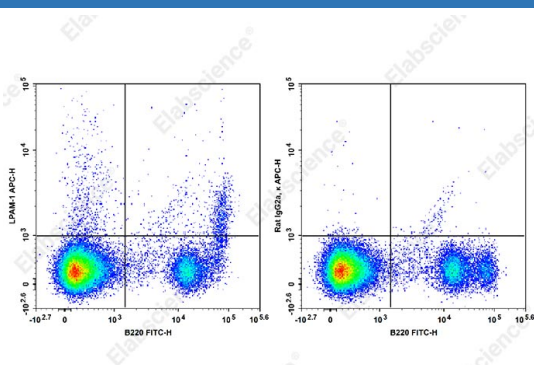
Applications

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 FITC Anti-Mouse B220 Antibody and APC Anti-Mouse LPAM-1 Antibody[DATK32] (left) or APC 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	Ice bag

Antigen Information

Alternate Names	α 4 β 7 Integrin;CD49d/ β 7;LPAM-1;ITGA4;ITGB7
Uniprot ID	P26011;Q00651
Gene ID	311144;25713

For Research Use Only

Background

DATK32 antibody is specific for a combinatorial determinate of integrin $\alpha 4\beta 7$ complex. Integrin $\alpha 4\beta 7$ is composed of a 150 kD ($\alpha 4$ or CD49d) and a 130 kD ($\beta 7$) heterodimer, also known as CD49d/ $\beta 7$ 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 $\alpha 4\beta 7$ 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.