

APC Anti-Mouse LPAM-1 Antibody[DATK32]

Catalog Number: AN00563E

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

Description

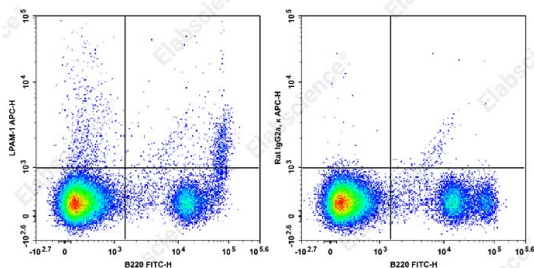
Reactivity	Mouse
Host	Rat
Isotype	Rat IgG2a, κ
Clone No.	DATK32
Isotype Control	APC Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09832E]
Conjugation	APC
Conjugation Information	APC is designed to be excited by the Red (627-640 nm) laser and detected using an optical filter centered near 660 nm (e.g., a 660/20 nm bandpass filter).
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

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.
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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	$\alpha 4\beta 7$ Integrin;CD49d/ $\beta 7$;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.

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