Store at 4°C

APC Anti-Mouse LPAM-1 (Integrin α4β7) Monoclonal Antibody

Catalog Number	Vial Size
M100L2-11A	25 µg
M100L2-11C	100 µg

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Important Note: Centrifuge before opening to ensure complete recovery of vial contents.
This product is guaranteed up to one year from purchase.

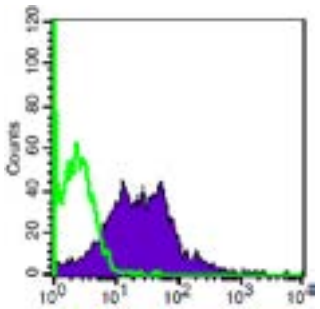
Purified Antibody Characterization

Clone	Isotype	Reactivity
DATK32	Rat IgG2a	Mouse

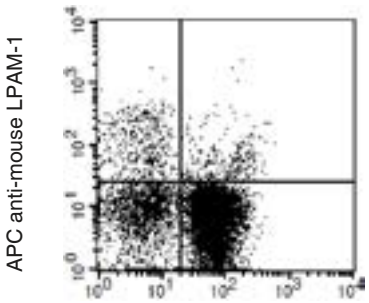
Description

DATK32 antibody is specific for a combinatorial determinate of integrin α4β7complex. Integrin α4β7 is composed of a 150 kD (α4 or CD49d) and a 130 kD (β7) heterodimer, also known as CD49d/β7 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 α4β7 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.

Illustration of Immunofluorescent Staining



Log Fluoresence Intensity
C57BL/6 mouse splenocytes stained with APC anti-mouse LPAM-1



FITC anti-mouse B220
C57BL/6 bone marrow lymphocytes were stained with FITC anti-mouse B220 and APC anti-mouse LPAM-1

Product Information

Conjugation: APC

Formulation: PBS pH 7.2, 0.09% NaN_3, 0.2% BSA

Concentration: 0.2 mg/ml

Storage: Keep as concentrated solution. Store at 4°C and protected from prolonged exposure to light. **Do not freeze.**

Application: Recommended Application: FC

Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis (The amount of the reagent is suggested to be used ≤0.25 µg /10^6 cells in 100 µl). Since applications vary, the appropriate dilutions must be determined for individual use.

References

[1] Andrew DP, et al. 1994. J. Immunol. 153:3847.
[2] Berlin C, et al. 1994. Cell 74:185.
[3] Gurish MF, et al. 2001 J. Exp. Med. 194:1243.
[4] Hamann A, et al. 1994. J. Immunol. 152:3282.

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