TECHNICAL DATA SHEET

APC Anti-Mouse LPAM-1 (DATK32)

Catalog Number: 20-5887

PRODUCT INFORMATION

Contents: APC Anti-Mouse LPAM-1 (DATK32)

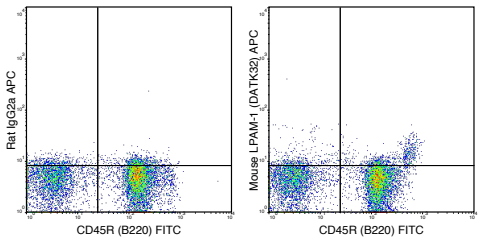
Isotype: Rat IgG2a, kappa

Concentration: 0.2 mg/mL

Clone: DATK32

Reactivity: Mouse

Formulation: 10 mM NaH2PO4, 150 mM NaCl, 0.09% NaN3, 0.1% gelatin, pH7.2



C57Bl/6 bone marrow cells were stained with FITC Anti-Mouse CD45R (B220) (35-0452) and 0.25 ug APC Anti-Mouse LPAM-1 (20-5887) (rlght panel) or 0.25 ug APC Rat IgG2a isotype control (left panel).

DESCRIPTION

The DATK32 antibody is specific for a combinatorial epitope of the mouse integrin alpha 4/beta 7 (LPAM-1) heterodimer. LPAM-1 is expressed on most mature lymphocytes and sub-populations of thymocytes and bone marrow cells. It is involved in lymphocyte adhesion and migration and is a receptor for several extracellular matrix proteins including VCAM-1, fibronectin, and MAdCAM-1. DATK32 is reported to induce LPAM-1 dependent lymphocyte aggregation and block adhesion to VCAM-1, fibronectin, and MAdCAM-1.

PREPARATION & STORAGE

This monoclonal antibody was purified from tissue culture supernatant via affinity chromatography. The purified antibody was conjugated under optimal conditions, with unreacted dye removed from the preparation. It is recommended to store the product undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.

APPLICATION NOTES

This antibody preparation has been quality-tested for flow cytometry using mouse spleen cells, or an appropriate cell type (where indicated). The amount of antibody required for optimal staining of a cell sample should be determined empirically in your system.

REFERENCES

Andrew DP, Berlin C, Honda S, et al. 1994. J Immunol. 153(9):3847-3861.Berlin C, Berg EL, Briskin MJ, et al. 1993. Cell. 74(1):185-195.Bogetto L, Gabriele E, Cariati R, et al. 2000. Blood. 95:2397-2406.

NOTE: Please choose the appropriate format for each application. Citations are provided as a convenience to you; please consult Materials and Methods sections for additional details about the use of any product in these publications.