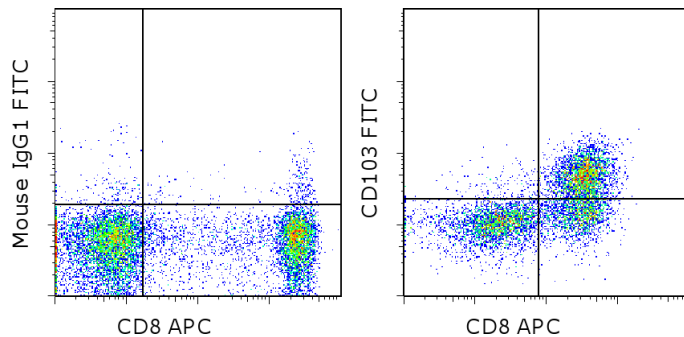


Anti-Human CD103 (Integrin alpha E) FITC

Catalog Number: 11-1037

RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of 3-day cultured (left) or 3-day PHA-stimulated (right) human peripheral blood cells with Anti-Human CD8a APC (cat. 17-0088) and Anti-Human CD103 (Integrin alpha E) FITC. Total viable cells were used for analysis.

Product Information

Contents: Anti-Human CD103 (Integrin alpha E) FITC

REF **Catalog Number:** 11-1037

Clone: Ber-ACT8

Concentration: 5 μ L (0.5 μ g)/test

Host/Isotype: Mouse IgG1

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

Temperature Limitation: Store at 2-8°C. Do not freeze. Light sensitive material.

Batch Code: Refer to vial

Use By: Refer to vial



Description

The Ber-ACT8 monoclonal antibody reacts with human CD103, the alpha E integrin. CD103 non-covalently associates with integrin beta7. CD103 is expressed mainly on intraepithelial lymphocytes and a small subset of peripheral lymphocytes. CD103 is also expressed by hairy cell leukemia (HCL) and by some chronic B cell lymphocytic leukemias. *In vitro* stimulation of human T cells with mitogens induces upregulation of CD103. Epithelial cell antigen (E-cadherin) binds to CD103 and mediates homing of lymphocytes to the intestinal epithelium. Cross-blocking studies suggest that B-Ly7 and Ber-ACT8 see different epitopes.

Applications Reported

This Ber-ACT8 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This Ber-ACT8 antibody has been pre-titrated and tested by flow cytometric analysis of 2-3 day PHA-activated human peripheral blood leukocytes. This can be used at 5 μ L (0.5 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

References

Cepek KL, Wong DA, Brenner MB, Springer TA. 1995. CD103 cluster reort. *Leucocyte Typing V*. 1995.

Kruschwitz M, Frtzsche G, Schwarting R, Micklem K, Mason DY, Falini B, Stein H. 1995. Ber-ACT8: new monoclonal antibody to the mucosa lymphocyte antigen. *J Clin Pathol* 1991; 44(8):636-45. (Ber-ACT8, PubMed)

Related Products

00-4222 Flow Cytometry Staining Buffer

11-4714 Mouse IgG1 K Isotype Control FITC (P3.6.2.8.1)

17-0088 Anti-Human CD8a APC (RPA-T8)

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Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.ebioscience.com •
info@ebioscience.com