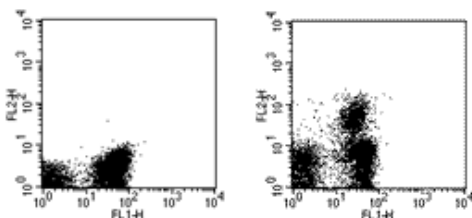


Anti-Mouse CD103 (Integrin alpha E) PE

Catalog Number: 12-1031

Also Known As: Integrin α E, ITGAE


RUO: For Research Use Only



Staining of C57BL/6 lymph node cells with Anti-Mouse CD3e FITC (cat. 11-0031) and staining buffer (autofluorescence) (left) or 0.5 µg of Anti-Mouse CD103 (Integrin α E) PE (right). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD103 (Integrin alpha E) PE

 Catalog Number: 12-1031

Clone: 2E7

Concentration: 0.2 mg/ml

Host/Isotype: Armenian Hamster IgG

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



Caution, contains Azide

Description

The 2E7 monoclonal antibody reacts with mouse CD103, the α _E integrin. CD103 non-covalently associates with integrin β ₇ and is expressed on all intraepithelial lymphocytes, a small subset of peripheral lymphocytes, and dendritic epidermal T cells (DEC). Epithelial cell antigen E-cadherin binds to CD103 and mediates homing of lymphocytes to the intestinal epithelium.

Applications Reported

The 2E7 antibody has been reported for use in flow cytometric analysis.

Applications Tested

The 2E7 antibody has been tested by flow cytometric analysis of mouse splenocyte suspensions. This can be used at less than or equal to 1.0 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Lefrancois, L., T. A. Barrett, et al. 1994. "Developmental expression of the alpha IEL beta 7 integrin on T cell receptor gamma delta and T cell receptor alpha beta T cells. Eur J Immunol 24(3): 635-40.

Suzuki R, Nakao A, et al. 2002. Localization of intestinal intraepithelial T lymphocytes involves regulation of alphaEbeta7 expression by transforming growth factor-beta. Int Immunol. 14(4):339-45. (IHC frozen, PubMed)

Related Products

12-4888 Armenian Hamster IgG Isotype Control PE (eBio299Arm)

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