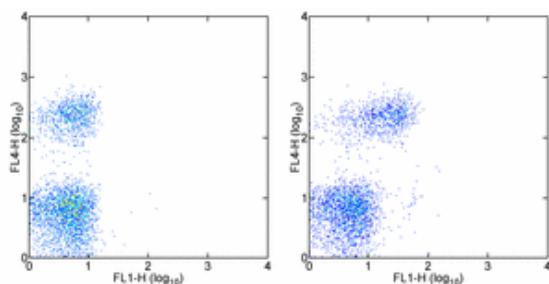


Anti-Mouse CD103 (Integrin alpha E) Purified

Catalog Number: 14-1031

Also Known As: Integrin α E, ITGAE

RUO: For Research Use Only



Staining of mouse lymph node cells with Anti-Mouse CD8a APC (cat. 17-0081) and 0.5 μ g of Armenian Hamster IgG Isotype Control Purified (cat. 14-4888) (left) or 0.5 μ g of Anti-Mouse CD103 (Integrin α E) Purified (right) followed by Anti-Armenian Hamster IgG Biotin (cat. 13-4113) and Streptavidin FITC (cat. 11-4317). Cells in the lymphocyte gate were used for analysis.

Product Information

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


REF Catalog Number: 14-1031

Clone: 2E7

Concentration: 0.5 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.

LOT 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, immunoprecipitation, and immunohistochemical staining of frozen tissue sections. It has also been reported in *in vitro* functional studies. (Please use Functional Grade purified 2E7, cat. 16-1031, in functional assays.)

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 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 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

11-4111 Anti-Armenian Hamster IgG FITC

11-4317 Streptavidin FITC

12-4317 Streptavidin PE

13-4113 Anti-Armenian Hamster IgG Biotin (Polyclonal)

14-4888 Armenian Hamster IgG Isotype Control Purified (eBio299Arm)

17-4317 Streptavidin APC

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