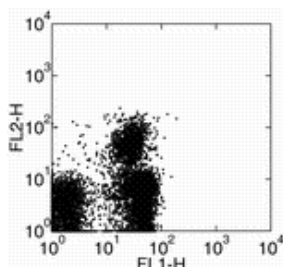


Anti-Mouse CD103 (Integrin alpha E) Functional Grade Purified

Catalog Number: 16-1031

Also Known As: Integrin α_E , ITGAE

RUO: For Research Use Only



Surface staining of mouse lymphnodes with Anti-Mouse CD103 (Integrin alpha E) PE and Anti-Mouse CD3e FITC. Total viable cells were used for analysis.

Product Information

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

REF **Catalog Number:** 16-1031

Clone: 2E7

Concentration: 1 mg/ml

Host/Isotype: Armenian Hamster IgG


Handling Conditions: Use in sterile environment.

Endotoxin Level: Less than 0.001 ng/ug antibody, as determined by the LAL assay.

Formulation: aqueous buffer, no sodium azide

 **Temperature Limitation:** Store at 2-8°C.

LOT **Batch Code:** Refer to Vial

 **Use By:** Refer to Vial

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. It has also been reported in *in vitro* functional studies.

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 10^5 to 10^8 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)

16-4888 Armenian Hamster IgG Isotype Control Functional Grade Purified (eBio299Arm)

17-4317 Streptavidin APC

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