

For Research Use Only

# Anti-Mouse CD103 (2E7) Armenian Hamster IgG2a Recombinant Antibody

Catalog Number: 65677-2-AR



## Basic Information

Catalog Number:

65677-2-AR

Concentration:

100ug, 1000  $\mu$ g/ml

Source:

Armenian Hamster

Isotype:

IgG2a

GenBank Accession Number:

BC150690

GeneID (NCBI):

16407

UNIPROT ID:

Q60677

Full Name:

integrin alpha E, epithelial-associated

Purification Method:

Protein A purification

CloneNo.:

2E7

Recommended Dilutions:

FC: 0.25 ug per  $10^6$  cells in a 100  $\mu$ l suspension

## Applications

Tested Applications:

FC

Species Specificity:

mouse

Positive Controls:

FC : mouse splenocytes,

## Background Information

CD103, also known as integrin alpha-E (ITGAE) or integrin alpha-IEL, is a type I transmembrane integrin protein that binds integrin beta 7 to form Integrin alpha-E beta-7 which is a receptor for E-cadherin and mediates adhesion of T lymphocytes to epithelial cells (PMID: 7969453; 8468482). CD103 is expressed on intraepithelial lymphocyte (IEL) T cells (both alpha/beta T cells and gamma/delta T cells), some peripheral regulatory T cells (Tregs), lamina propria T cells, and a subset of dendritic cells in the gut mucosa and mesenteric lymph nodes (PMID: 12242333; 15608520; 16216890).

## Storage

Storage:

Store at 2-8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

For technical support and original validation data for this product please contact:

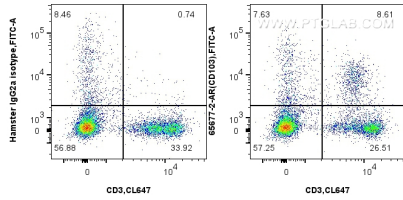
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

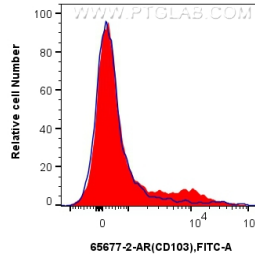
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.25 ug Anti-Mouse CD103 (2E7) Armenian Hamster IgG2a RecAb (65677-2-AR, Clone: 2E7) or Armenian Hamster IgG Isotype Control (PIP) (65210-1-Ig, Clone: PIP), and FITC-conjugated Anti-Armenian Hamster IgG antibody. Cells were then stained with CoraLite® Plus 647 Anti-Mouse CD3 (17A2) (CL647-65077, Clone: 17A2). Cells were not fixed.



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.25 ug Anti-Mouse CD103 (2E7) Armenian Hamster IgG2a RecAb (65677-2-AR, Clone: 2E7) or Armenian Hamster IgG Isotype Control (PIP) (65210-1-Ig, Clone: PIP) (blue), and FITC-conjugated Anti-Armenian Hamster IgG antibody. Cells were not fixed.