

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

**Size:**  
100ug , 1000 µg/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<sup>6</sup> cells in a 100 µl 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

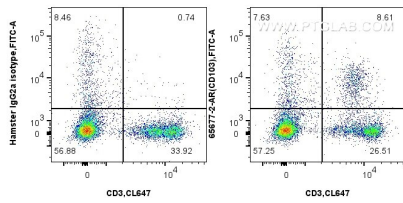
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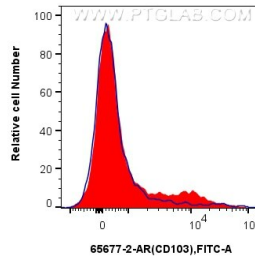
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## Selected Validation Data



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.