

For Research Use Only

# Anti-Mouse CD103 (2E7)

Catalog Number: 65047-1-Ig **2 Publications**



## Basic Information

<b>Catalog Number:</b> 65047-1-Ig	<b>GenBank Accession Number:</b> BC150690	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100ug, 0.5 mg/ml	<b>GeneID (NCBI):</b> 16407	<b>CloneNo.:</b> 2E7
<b>Source:</b> Hamster	<b>Full Name:</b> integrin alpha E, epithelial-associated	
<b>Isotype:</b> IgG		

## Applications

**Tested Applications:**  
FC

**Cited Applications:**  
FC, IF

**Species Specificity:**  
Mouse

**Cited Species:**  
mouse

## 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).

## Notable Publications

Author	Pubmed ID	Journal	Application
Xin Zhao	37269014	J Nanobiotechnology	FC
Giovanni Sarnelli	36979504	Biomolecules	IF

## Storage

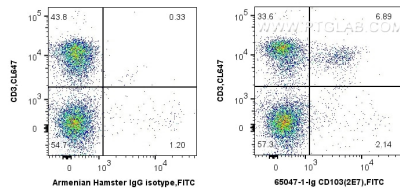
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**Storage Buffer:**  
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## Selected Validation Data



1X10<sup>6</sup> C57BL/6 mouse splenocytes were surface co-stained with CoraLite® Plus 647 Anti-Mouse CD3 (17A2) and 0.5 µg Anti-Mouse CD103 (65047-1-Ig, Clone:2E7) and FITC anti-Armenian Hamster IgG Antibody at dilution 1:100, or 0.5 µg Armenian Hamster IgG isotype control and FITC anti-Armenian Hamster IgG Antibody at dilution 1:100. Cells were not fixed.