

For Research Use Only

# Anti-Mouse CD103 (2E7)

Catalog Number: 65047-1-Ig **3 Publications**



## Basic Information

Catalog Number: 65047-1-Ig	GenBank Accession Number: BC150690	Purification Method: Affinity purification
Size: 100ug, 0.5 mg/ml	GeneID (NCBI): 16407	CloneNo.: 2E7
Source: Hamster	UNIPROT ID: Q60677	
Isotype: IgG	Full Name: integrin alpha E, epithelial-associated	

## Applications

Tested Applications:  
FC

Cited Applications:  
IF, FC

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
Giovanni Sarnelli	38518597	Biomed Pharmacother	IF
Xin Zhao	37269014	J Nanobiotechnology	FC
Giovanni Sarnelli	36979504	Biomolecules	IF

## Storage

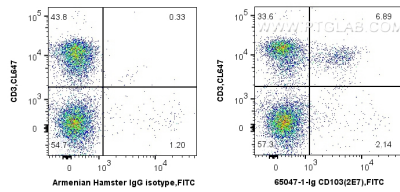
Storage:  
Store at 2-8°C. Stable for one year after shipment.

Storage Buffer:  
PBS with 0.09% sodium azide.

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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 ug Anti-Mouse CD103 (65047-1-Ig, Clone:2E7) and FITC anti-Armenian Hamster IgG Antibody at dilution 1:100, or 0.5 ug Armenian Hamster IgG isotype control and FITC anti-Armenian Hamster IgG Antibody at dilution 1:100. Cells were not fixed.