Anti-Mouse CD103 (2E7)

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

Storage:
Store at 2-8℃. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide.
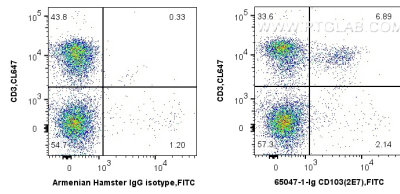
1X10^6 C57BL/6 mouse splenocytes were surface co-stained with CoraLite® Plus 647 Anti-Mouse CD3 (17A2) and 0.5 ug Anti-Mouse CD103 (65047-1-Ig, Clone:2E7) and FITC anti-Armenian Hamster IgG Antibody at dilution 1:100, or 0.5 ug Armenian Hamster IgG isotype control and FITC anti-Armenian Hamster IgG Antibody at dilution 1:100. Cells were not fixed.