

For Research Use Only

# CoraLite®594 Anti-Mouse CD103 (2E7)



Catalog Number: **CL594-65047**

## Basic Information

<b>Catalog Number:</b> CL594-65047	<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>Excitation/Emission maxima wavelengths:</b> 588 nm / 604 nm
<b>Isotype:</b> IgG		

## Applications

**Tested Applications:**  
FC

**Species Specificity:**  
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).

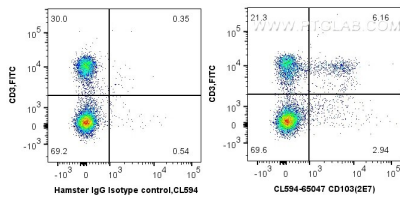
## Storage

**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.09% sodium azide.

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



1X10<sup>6</sup> mouse splenocytes were surface co-stained with FITC Anti-Mouse CD3 and 0.5 ug CoraLite@594 Anti-Mouse CD103 (CL594-65047, Clone: 2E7) or 0.5 ug Isotype Control. Cells were not fixed.