

For Research Use Only

# CoraLite®488-conjugated Anti-Mouse CD103 (2E7)



Catalog Number:CL488-65047

## Basic Information

Catalog Number:

CL488-65047

Size:

100tests , 5 µl/test

Source:

Hamster

Isotype:

IgG

GenBank Accession Number:

BC150690

GeneID (NCBI):

16407

Full Name:

integrin alpha E, epithelial-associated

Purification Method:

Affinity purification

CloneNo.:

2E7

Excitation/Emission maxima wavelengths:

488 nm/515 nm

## 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.

Storage Buffer:

PBS with 0.1% sodium azide and 0.5% BSA, pH 7.3.

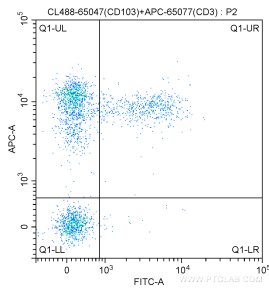
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

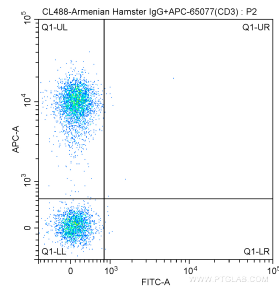
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



1X10<sup>6</sup> C57BL/6 mouse splenocytes were surface stained with APC-Anti-Mouse CD3 (APC-65077, Clone: 17A2) and 5.00 ul CoraLite®488-conjugated Anti-Mouse CD103 (CL488-65047, Clone: 2E7). Cells were not fixed.



1X10<sup>6</sup> C57BL/6 mouse splenocytes were surface stained with APC-Anti-Mouse CD3 (APC-65077, Clone: 17A2) and CoraLite®488-conjugated Armenian Hamster IgG isotype control antibody. Cells were not fixed.