

For Research Use Only

CoraLite® Plus 405 Anti-Mouse CD103 (2E7)



Catalog Number: **CL405-65047**

Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
CL405-65047	BC150690	Affinity purification
Size:	GeneID (NCBI):	CloneNo.:
100ug, 0.5 mg/ml	16407	2E7
Source:	UNIPROT ID:	Excitation/Emission maxima wavelengths:
Hamster	Q60677	399 nm / 422 nm
Isotype:	Full Name:	
IgG	integrin alpha E, epithelial-associated	

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).

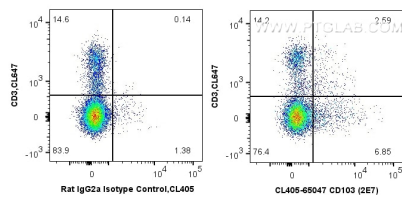
Storage

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

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

Selected Validation Data



1X10⁶ mouse splenocytes were surface co-stained with CoraLite® Plus 647 Anti-Mouse CD3 (17A2) and 1 ug CoraLite® Plus 405 Anti-Mouse CD103 (CL405-65047, Clone:2E7) or 1 ug Isotype Control. Cells were not fixed.