

For Research Use Only

CoraLite® Plus 488 Anti-Mouse CD103 (2E7)



Catalog Number: **CL488-65047**

Basic Information

Catalog Number: CL488-65047	GenBank Accession Number: BC150690	Purification Method: Affinity purification
Size: 100ug, 0.5 mg/ml	GeneID (NCBI): 16407	CloneNo.: 2E7
Source: Hamster	UNIPROT ID: Q60677	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG	Full Name: 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 0.1% sodium azide and 0.5% BSA, pH 7.3.

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

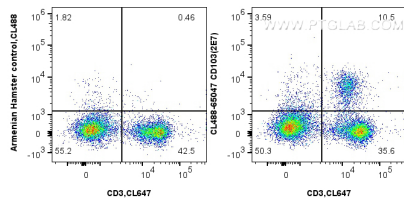
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ mouse splenocytes were surface co-stained with CoraLite® Plus 647 Anti-Mouse CD3 (17A2) and 0.5 ug CoraLite® Plus 488 Anti-Mouse CD103 (CL488-65047, Clone:2E7) or 0.5 ug Isotype Control. Cells were not fixed.