

For Research Use Only

Anti-Mouse CD103 (2E7) Armenian Hamster Recombinant Antibody, PBS Only

Catalog Number: 65677-2-PBS



Basic Information

Catalog Number: 65677-2-PBS	GenBank Accession Number: BC150690	Purification Method: Protein A purification
Concentration: 1mg, 3 mg/ml	GeneID (NCBI): 16407	CloneNo.: 2E7
Source: Armenian Hamster	UNIPROT ID: Q60677	
Isotype: IgG2a	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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

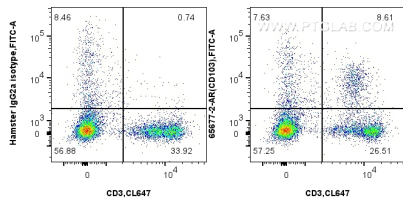
T: 4006900926

E: Proteintech-CN@ptglab.com

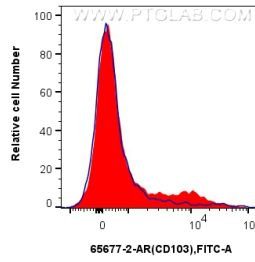
W: ptgcn.com

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Selected Validation Data



1x10⁶ mouse splenocytes were surface stained with 0.25 ug Anti-Mouse CD103 (2E7) Armenian Hamster IgG2a RecAb (65677-2-AR, Clone: 2E7) or Armenian Hamster IgG Isotype Control (PIP) (65210-1-Ig, Clone: PIP), and FITC-conjugated Anti-Armenian Hamster IgG antibody. Cells were then stained with CoraLite® Plus 647 Anti-Mouse CD3 (17A2) (CL647-65077, Clone: 17A2). Cells were not fixed. This data was developed using the same antibody clone with 65677-2-PBS in a



1x10⁶ mouse splenocytes were surface stained with 0.25 ug Anti-Mouse CD103 (2E7) Armenian Hamster IgG2a RecAb (65677-2-AR, Clone: 2E7) (red) or Armenian Hamster IgG Isotype Control (PIP) (65210-1-Ig, Clone: PIP) (blue), and FITC-conjugated Anti-Armenian Hamster IgG antibody. Cells were not fixed. This data was developed using the same antibody clone with 65677-2-PBS in a different storage buffer formulation.