For Research Use Only

FITC Plus Anti-Mouse CD103 (2E7)

Catalog Number:FITC-65047

proteintech®
Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
FITC-65047

Concentration:
500ug, 500 ug/ml

Source:
Armenian Hamster

Isotype:
IgG

GenBank Accession Number:
BC150690

GeneID (NCBI):
16407

UNIPROT ID:
Q60677

Full Name:
integrin alpha E, epithelial-associated

Purification Method:
Affinity purification

CloneNo.:
2E7

Recommended Dilutions:
FC: 0.25 ug per 10^6 cells in 100 μl suspension

Excitation/Emission maxima wavelengths:
495 nm / 524 nm

Applications

Tested Applications:
FC

Species Specificity:
mouse

Positive Controls:

FC : mouse splenocytes,

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).

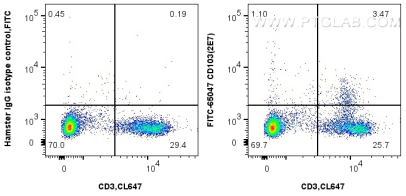
Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

Selected Validation Data



1x10^6 mouse splenocytes were surface stained with 0.25 ug FITC Anti-Mouse CD103 (2E7) (FITC-65047, Clone:2E7) or 0.25 ug Isotype Control. Cells were co-stained with CoraLite® Plus 647 Anti-Mouse CD3. Cells were not fixed.