

For Research Use Only

Integrin alpha-E Monoclonal antibody

Catalog Number: 68893-3-Ig



Basic Information

Catalog Number: 68893-3-Ig	GenBank Accession Number: BC113436	Purification Method: Protein G Magarose purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 3682	CloneNo.: 4B6G6
Source: Mouse	UNIPROT ID: P38570	Recommended Dilutions: IF/ICC 1:500-1:2000
Isotype: IgG1	Full Name: integrin, alpha E (antigen CD103, human mucosal lymphocyte antigen 1; alpha polypeptide)	
Immunogen Catalog Number: AG27410	Calculated MW: 1179 aa, 130 kDa	

Applications

Tested Applications: IF/ICC, FC, ELISA	Positive Controls: IF/ICC : 5 µg/mL PHA (3 days) treated human PBMCs,
Species Specificity: human	

Background Information

Integrin alpha-E (CD103) is a member of the integrin family, specifically the αEβ7 heterodimer. It plays a crucial role in the immune system, particularly in the interaction between leukocytes and epithelial cells. Integrin alpha-E (CD103) is a critical component of the immune system, particularly in the context of mucosal immunity. Its ability to bind to E-cadherin and regulate the production of IFN- γ in cDCs during viral infections highlights its multifaceted role in immune regulation and disease prevention. (PMID: 33584680)

Storage

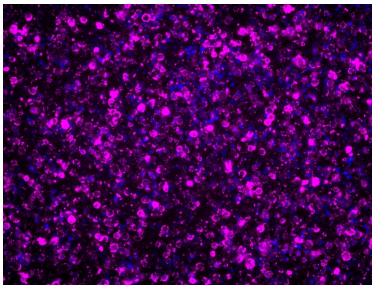
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

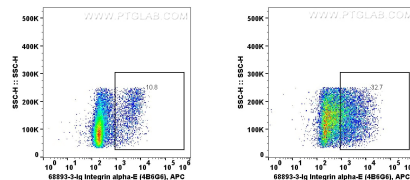
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of un-fixed 5 µg/mL PHA (3 days) treated human PBMCs using Integrin alpha-E antibody (68893-3-Ig, Clone: 4B6G6) at dilution of 1:1000 and Multi-rAb CoraLite® Plus 647-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (Cat.NO. RGAM005).



1x10⁶ untreated human PBMCs (left) and 5 µg/mL PHA (3 days) treated human PBMCs (right) were surface stained with 0.2 µg Integrin Alpha-E Monoclonal Antibody (68893-3-Ig, Clone: 4B6G6) and CoraLite® Plus 647-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (Cat.NO.RGAM005). Cells were not fixed.