

Integrin alpha-E Monoclonal antibody

Catalog Number: 68893-3-Ig

Basic Information

Catalog Number:

68893-3-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG27410

GenBank Accession Number:

BC113436

GeneID (NCBI):

3682

UNIPROT ID:

P38570

Full Name:

integrin, alpha E (antigen CD103,
human mucosal lymphocyte antigen
1; alpha polypeptide)

Calculated MW:

1179 aa, 130 kDa

Purification Method:

Protein G Magarose purification

CloneNo.:

4B6G6

Recommended Dilutions:

IF/ICC 1:500-1:2000

Applications

Tested Applications:

IF/ICC, FC, ELISA

Species Specificity:

human

Positive Controls:

IF/ICC : 5 µg/mL PHA (3 days) treated human PBMCs,

Background Information

Integrin alpha-E (CD103) is a member of the integrin family, specifically the α E β 7 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-I in cDCs during viral infections highlights its multifaceted role in immune regulation and disease prevention. (PMID: 33584680)

Storage

Storage:

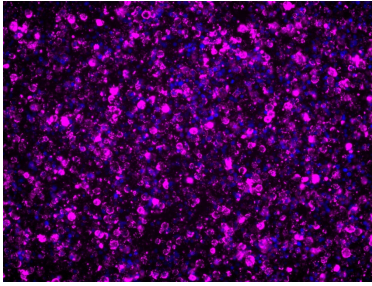
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

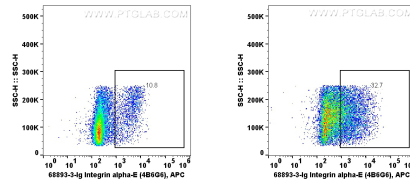
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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.