For Research Use Only

Mouse CD103 Recombinant monoclonal antibody, PBS Only

Catalog Number:87417-1-PBS

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
87417-1-PBS

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG10465

GenBank Accession Number:

GeneID (NCBI):
16407

Full Name:
integrin alpha E, epithelial-associated

Observed MW:
160 kDa

Purification Method:
Protein A purification

CloneNo.:
252752B6

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
mouse

Background Information

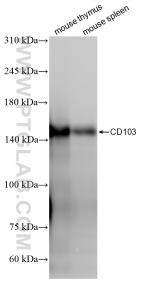
CD103, also known as integrin alpha-E (ITGAE) or integrin alpha-IEL, is a type I transmembrane integrin protein that binds integrin beta 7 to form Integrin alpha-E beta-7 which is a receptor for E-cadherin and mediates adhesion of T lymphocytes to epithelial cells (PMID: 7969453; 8468482). CD103 is expressed 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

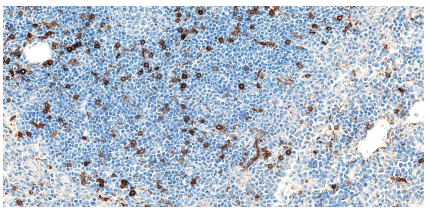
Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87417-1-RR (ITAE antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87417-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 87417-1-RR (CD103 antibody) at dilution of 1:3000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 87417-1-PBS in a different storage buffer formulation.