

## ARG22084 anti-CD103 / Integrin alpha E antibody [2E7] (PE)

Package: 50 µg  
Store at: 4°C

### Summary

Product Description	PE-conjugated Hamster Monoclonal antibody [2E7] recognizes CD103 / Integrin alpha E
Tested Reactivity	Ms
Tested Application	Cell-Act , FACS, IHC-Fr
Specificity	Mouse CD103
Host	Hamster
Clonality	Monoclonal
Clone	2E7
Isotype	IgG2
Target Name	CD103 / Integrin alpha E
Antigen Species	Mouse
Immunogen	C57BL/6J Mouse intestinal intraepithelial lymphocytes (IEL)
Conjugation	PE
Alternate Names	CD103; HUMINAE; Integrin alpha-E; Mucosal lymphocyte 1 antigen; CD antigen CD103; HML-1 antigen; Integrin alpha-IEL

### Application Instructions

Application table	Application	Dilution
	Cell-Act	Assay-dependent
	FACS	< 0.2 µg/10 <sup>6</sup> cells
	IHC-Fr	Assay-dependent
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Calculated Mw	130 kDa	

### Properties

Form	Liquid
Buffer	PBS, 0.1% Sodium azide and Sucrose.
Preservative	0.1% Sodium azide
Stabilizer	Sucrose
Concentration	0.1 mg/ml
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be

gently mixed before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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Database links

[GeneID: 16407 Mouse](#)

[Swiss-port # Q60677 Mouse](#)

Gene Symbol

ITGAE

Gene Full Name

integrin alpha E, epithelial-associated

Background

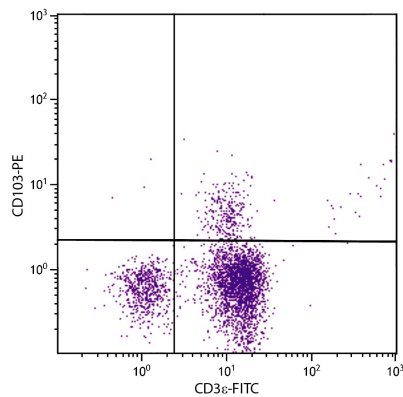
Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This gene encodes an I-domain-containing alpha integrin that undergoes post-translational cleavage in the extracellular domain, yielding disulfide-linked heavy and light chains. In combination with the beta 7 integrin, this protein forms the E-cadherin binding integrin known as the human mucosal lymphocyte-1 antigen. This protein is preferentially expressed in human intestinal intraepithelial lymphocytes (IEL), and in addition to a role in adhesion, it may serve as an accessory molecule for IEL activation. [provided by RefSeq, Jul 2008]

Function

Integrin alpha-E/beta-7 is a receptor for E-cadherin. It mediates adhesion of intra-epithelial T-lymphocytes to epithelial cell monolayers. [UniProt]

## Images

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ARG22084 anti-CD103 / Integrin alpha E antibody [2E7] (PE) FACS image

Flow Cytometry: BALB/c Mouse mesenteric lymph node cells stained with ARG22084 anti-CD103 / Integrin alpha E antibody [2E7] (PE) and anti-CD3ε antibody (FITC).