

**ARG22081**  
**anti-CD103 / Integrin alpha E antibody [2E7]**Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Hamster Monoclonal antibody [2E7] recognizes CD103 / Integrin alpha E
Tested Reactivity	Ms
Tested Application	Cell-Act , FACS, IHC-Fr, IP
Specificity	Mouse CD103
Host	Hamster
Clonality	Monoclonal
Clone	2E7
Isotype	IgG2
Target Name	CD103 / Integrin alpha E
Species	Mouse
Immunogen	C57BL/6J Mouse intestinal intraepithelial lymphocytes (IEL)
Conjugation	Un-conjugated
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	Assay-dependent
	IHC-Fr	Assay-dependent
	IP	Assay-dependent
Application Note	Cellular activation: This clone up-regulates CD5 surface expression on CD8 alpha/beta+ gut IEL cells (gut intraepithelial lymphocytes) * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Buffer	BBS (pH 8.2)
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. 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	<a href="#">GeneID: 16407 Mouse</a> <a href="#">Swiss-port # Q60677 Mouse</a>
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]
Calculated Mw	130 kDa