

ARG22085 anti-CD103 / Integrin alpha E antibody [2E7] (low endotoxin)

Package: 250 µg
Store at: -20°C

Summary

Product Description	Azide free and low endotoxin 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	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification Note	Low endotoxin
Buffer	PBS
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

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]

Calculated Mw 130 kDa