

Mouse CD103 Monoclonal Antibody | anti-CD103 antibody

Anti-Hu CD103 Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA128442	Mouse	Human, Non-human primates	Immunohistochemistry, Western Blot, Immunoprecipitation, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD103; Monoclonal Antibody; Anti-Hu CD103 Purified; integrin subunit alpha E; Integrin alpha E; ITGAE; anti-CD103 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Non-human primates
Clonality	Monoclonal
Isotype	IgG1 kappa
Clone Number	Ber-ACT8
Specificity	The mouse monoclonal antibody Ber-ACT8 recognizes an extracellular epitope of CD103 (alpha E integrin), a type I transmembrane glycoprotein primarily found on intestinal intraepithelial lymphocytes.
Purity/Purification	Purified by Protein-A Affinity Chromatography
Form/Format	Phosphate buffered saline (PBS) solution with 15 mM sodium azide
Concentration	1 mg/ml (varies by lot)
Sequence Length	1179
Applicable Applications for anti-CD103 antibody	IHC (Immunohistochemistry), WB (Western Blot), IP (Immunoprecipitation), FCM/FACS (Flow Cytometry)
Immunogen	HTLV-1 induced human T cell line MAPS16
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for anti-CD103 antibody	CD103 / Integrin alphaE is an integrin subunit that is expressed on intraepithelial lymphocytes, epithelial dendritic cells, lamina propria-derived dendritic cells, a subpopulation of lamina propria T cells, a small subset of peripheral lymphocytes, namely T reg cells, and on activated and TGF-beta stimulated lymphocytes. CD103 is in mature form cleaved into two disulfide-linked chains (C-terminal 150 kDa chain and N-terminal 25 kDa chain). It heterodimerizes with integrin beta7 subunit to form alphaE/beta7 integrin (mucosal lymphocyte 1 antigen), which through binding E-cadherin mediates homing of lymphocytes to the intestinal epithelium, and, in addition to the role in adhesion, may serve as an accessory molecule for intraepithelial lymphocyte activation.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	226694184
NCBI GeneID	3682
UniProt Accession #	P38570
NCBI Official Full Name	Integrin alpha-E

NCBI Official Synonym Full Names	integrin subunit alpha E
NCBI Official Symbol	ITGAE
NCBI Official Synonym Symbols	CD103; HUMINAE
NCBI Protein Information	integrin alpha-E
UniProt Protein Name	Integrin alpha-E
UniProt Gene Name	ITGAE
UniProt Entry Name	ITAE_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd103-antibody-clone-ber-act8-immunohistochemistry-western-blot-immunoprecipitation-flow-cytometry-elisa/128442>