

Mouse anti-Human CD103/Integrin alpha E beta7 Monoclonal Antibody | anti-ITGAE antibody

CD103/Integrin alpha E beta7 (T-Cell Lymphoma Hairy Cell Leukemia Marker)

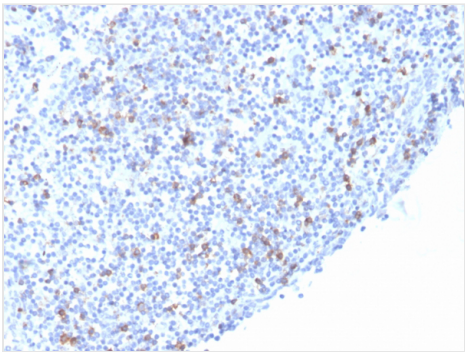
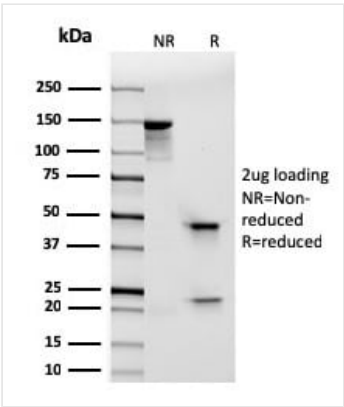
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215391	Mouse	Human	Immunohistochemistry

PRODUCT SYNONYMS

CD103/Integrin alpha E beta7; Monoclonal Antibody; CD103/Integrin alpha E beta7 (T-Cell Lymphoma Hairy Cell Leukemia Marker); CD103; Human mucosal lymphocyte antigen 1 (HML1 antigen); Integrin alpha E heavy chain; Integrin alpha E light chain; Integrin alpha E; epithelial-associated; Integrin alpha E1; Integrin alpha-IEL (intestinal intraepithelial lymphocytes); Integrin alpha M290; Integrin alpha-E heavy chain; Integrin; alpha E (ITGAE); anti-ITGAE antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	rITGAE/2063
Specificity	This MAb recognizes a protein of 150kDa, identified as CD103, which is the alpha-E integrin subunit of the heterodimeric alpha-E beta-7 (aEb7) integrin belonging to a small beta-7 integrin subfamily. CD103 is expressed on more than 95% of intraepithelial CD8+ cells and on 40% of mucosa-associated T cells, whereas less than 2% of resting blood lymphocytes are CD103-positive. In several malignant conditions, such as T-cell lymphomas and hairy cell leukemia (HCL), the cells express CD103. Antibody to CD103 is an extremely useful addition to the IHC panel for the identification of hairy cell leukemia (HCL).
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml or Purified Ab with BSA and Azide at 200ug/ml or Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	1179
Applicable Applications for anti-ITGAE antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant Human ITGAE protein fragment (exact sequence is proprietary)
Cellular Localization	Cell Surfaceand cytoplasm
Antibody Type	Recombinant Antibody
Hu-chromosome Location	17p13
Positive Control	Human Tonsil, Colon or Stomach tissue (IHC).
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Tonsil stained with CD103 Recombinant Mouse Monoclonal Antibody (rITGAE/2063).

SDS-PAGE
SDS-PAGE Analysis Purified CD103 Recombinant Mouse Monoclonal Antibody (rITGAE/2063). Confirmation of Purity and Integrity of Antibody.

ADDITIONAL INFORMATION

References	Morgan EA,Yu H,Pinkus JL,Pinkus GS. Immunohistochemical detection of hairy cell leukemia in paraffin sections using a highly effective CD103 rabbit monoclonal antibody. Am J Clin Pathol.2013 Feb;139(2):220-30.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	226694184
NCBI GeneID	3682
UniProt Accession #	P38570
Molecular Weight	150kDa
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.