



Datasheet for ABIN6939806 anti-CD103 antibody



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5 Images

Overview

Quantity:	100 µg
Target:	CD103 (ITGAE)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD103 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Recombinant human ITGAE protein fragment (exact sequence is proprietary)
Clone:	ITGAE-2063
Isotype:	IgG2c kappa
Specificity:	This MAb recognizes a protein of 150 kDa, identified as CD103, which is the alpha-E integrin subunit of the heterodimeric alpha-E beta-7 (αEβ7) 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 diagnosis of hairy cell leukemia (HCL).
Purification:	Purified by Protein A/G

Target Details

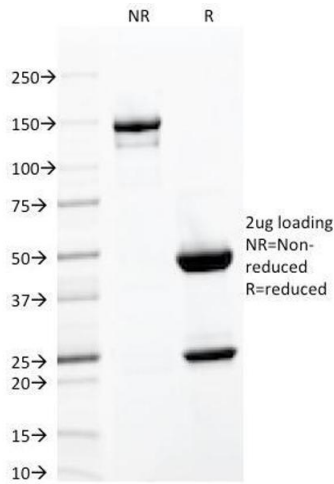
Target:	CD103 (ITGAE)
Alternative Name:	ITGAE (ITGAE Products)
Molecular Weight:	150kDa
Gene ID:	3682
UniProt:	P38570

Application Details

Application Notes:	Positive Control: Tonsil, Colon or Stomach. Known Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT),(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

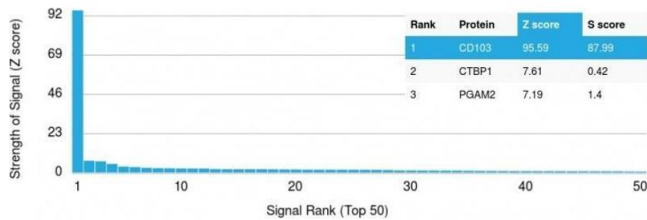
Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months



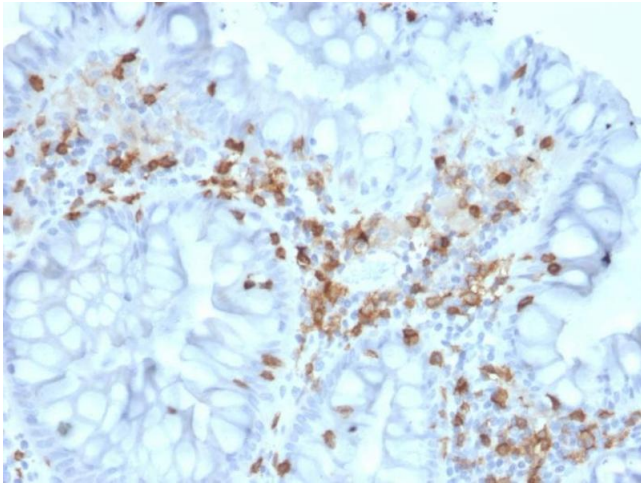
SDS-PAGE

Image 1. SDS-PAGE Analysis Purified CD103 Mouse Monoclonal Antibody (ITGAE/2063). Confirmation of Purity and Integrity of Antibody.



Protein Array

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using CD103 Mouse Monoclonal Antibody (ITGAE/2063). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SDs) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SDs) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Colon stained with CD103 Mouse Monoclonal Antibody (ITGAE/2063).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6939806.