# antibodies -online.com





anti-CD103 antibody



**Images** 



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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), Immunostaining (ISt)
Product Details	
Immunogen:	Recombinant human ITGAE protein fragment (exact sequence is proprietary)
Clone:	ITGAE-2474
Isotype:	IgG2b 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 (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 diagnosis of hairy cell leukemia (HCL).
Purification:	Purified by Protein A/G

# **Target Details**

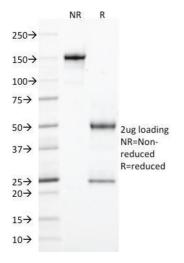
Target:	CD103 (ITGAE)
Alternative Name:	ITGAE (ITGAE Products)
Molecular Weight:	150kDa
Gene ID:	3682
UniProt:	P38570

# **Application Details**

Application Notes:	Positive Control: Tonsil, Colon or Stomach.
	Known Application: Immunohistochemistry (Formalin-fixed) (1-2 $\mu g/mL$ for 30 minutes at
	RT)(Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM Tris with
	1 mM EDTA, pH 9.0 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

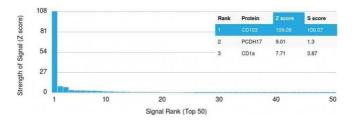
# Handling

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



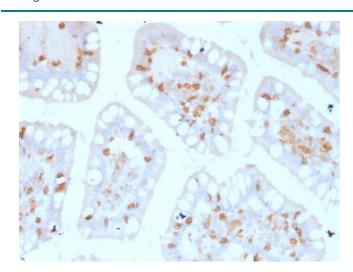
### **SDS-PAGE**

**Image 1.** SDS-PAGE Analysis Purified CD103 Mouse Monoclonal Antibody (ITGAE/2474). 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/2474). Z- and S- Score: The Zscore 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 HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Zscore, the S-score is the difference (also in units of SD's) 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/2474).

Please check the product details page for more images. Overall 5 images are available for ABIN6939807.