SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-ITGAE/CD103 antibody

Catalog Number: SLM-60226R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Clone No.:	C4G1
Target:	ITGAE/CD103
Immunogen:	KLH conjugated synthetic peptide derived from human ITGAE/CD103
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:50-200 IHC-F=1:50-200 IF=1:50-200（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human
Predicted MW.:	110/128kDa
Subcellular Location:	The cell membrane
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. **Subunit:** Heterodimer of an alpha and a beta subunit. The alpha subunit is

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	composed of an heavy and a light chains linked by a disulfide bond. Alpha-E associates with beta-7. **Subcellular Location:** Membrane; Single-pass type I membrane protein. **Tissue Specificity:** Expressed on a subclass of T-lymphocytes known as intra-epithelial lymphocytes which are located between mucosal epithelial cells. **Similarity:** Belongs to the integrin alpha chain family. Contains 7 FG-GAP repeats. Contains 1 VWFA domain. **Database links:** **Entrez Gene:** 3682 Human Omim: 604682 Human **SwissProt:** P38570 Human **Unigene:** 513867 Human

[VALIDATION IMAGES]

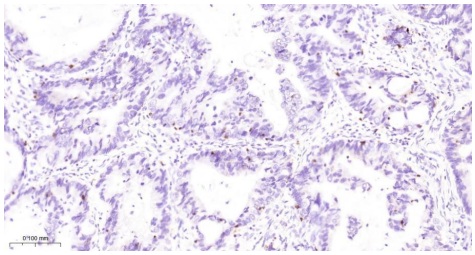


Figure 1. Paraformaldehyde-fixed, paraffin embedded Human Lung Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with ITGAE/CD103 Monoclonal Antibody, Unconjugated (SLM-60226R) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining

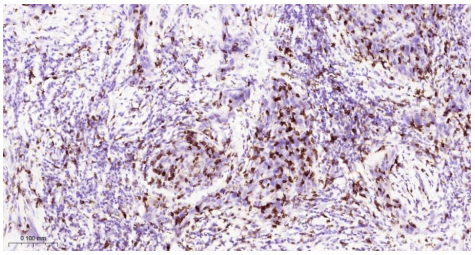


Figure 2. Paraformaldehyde-fixed, paraffin embedded Human Cervical Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with ITGAE/CD103 Monoclonal Antibody, Unconjugated (SLM-60226R) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining

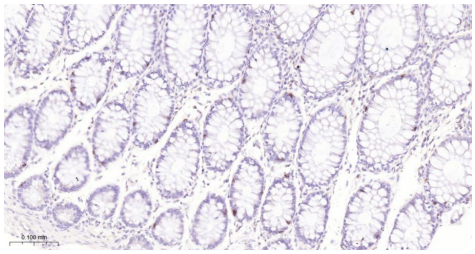


Figure 3. Paraformaldehyde-fixed, paraffin embedded Human Colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with ITGAE/CD103 Monoclonal Antibody, Unconjugated (SLM-60226R) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining

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