



## Integrin *a*E Polyclonal Antibody

Function     domain: The integrin I-domain (insert) is a VWFA domain. Integrins with I-domains do not undergo protease cleavage.,function:Integrin alpha-E/beta-7 is a receptor for E-cadherin. It mediates adhesion of intra-epithelial T-lymphocytes to epithelial cell monolayers.,induction:Integrin alpha-E/beta-7 is induced by TGFB1.,similarity:Belongs to the integrin alpha chain family.,similarity:Contains 1 VWFA domainsimilarity:Contains 5 FG-GAP repeatssubunit:Heterodimer of an		
Reactivity   Human;Rat;Mouse;     Applications   WB;IHC;IF;ELISA     Gene Name   ITGAE     Protein Name   Integrin alpha-E (HML-1 antigen) (Integrin alpha-IEL) (Mucosal lymphocyte 1 antigen) (CD antigen CD103) [Cleaved into: Integrin alpha-E light chain; Integrin alpha-E heavy chain]     Immunogen   Synthetic peptide from human protein at AA range: 710-770     Specificity   The antibody detects endogenous Integrin oE     Formulation   Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.     Source   Polyclonal, Rabbit,IgG     Purification   The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.     Dilution   IHC-p 1:50-200, ELISA 1:10000-20000. IF 1:50-200     Concentration   1 mg/ml     Purity   ≥90%     Storage Stability   -20°C/1 year     Synonyms   Integrin alpha-E (HML-1 antigen;Integrin alpha-E light chain; Integrin alpha-E heavy chain]     Observed Band   Cell Pathway   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.     Function   domain. The integrin I-domain (insert) is a VWFA domain. Integrins with I-domain do not undergo protease cleavage, function:Integrin alpha-E/bela-7 is a receptor for E-cacherin. It mediates adhesion of intra-epithelial lymphocytes to which are located betw	Catalog No	BYab-17118
Applications     WB;IHC;IF;ELISA       Gene Name     ITGAE       Protein Name     Integrin alpha-E (HML-1 antigen) (Integrin alpha-IEL) (Mucosal lymphocyte 1 antigen) (CD antigen (CD 1013) [Cleaved into: Integrin alpha-E light chain; Integrin alpha-E heavy chain]       Immunogen     Synthetic peptide from human protein at AA range: 710-770       Specificity     The antibody detects endogenous Integrin αE       Formulation     Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.       Source     Polyclonal, Rabbit.IgG       Purification     The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.       Dilution     IHC-p 1:50-200, ELISA 1:10000-20000. IF 1:50-200       Concentration     1 mg/ml       Purity     ≥90%       Storage Stability     -20°C/1 year       Synonyms     Integrin alpha-E (HML-1 antigen;Integrin alpha-IEL;Mucosal lymphocyte 1 antigen;CD antigen CD103) [Cleaved into: Integrin alpha-E light chain; Integrin alpha-E heavy chain]       Observed Band     Expressed on a subclass of T-lymphocytes known as intra-epithelial lymphocytes which are located between mucosal epithelial cells.       Function     domain. The integrin I-domain (insert) is a VWFA domain. Integrins with I-domain do not undergo protease cleavage, function:Integrin alpha-E/beta-7 is a receptor for E-cacherin. It mediates adhesion of nira-epithelial lymphocytes to epithelial c	Isotype	IgG
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Immunogen       Synthetic peptide from human protein at AA range: 710-770         Specificity       The antibody detects endogenous Integrin αE         Formulation       Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.         Source       Polyclonal, Rabbit,IgG         Purification       The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.         Dilution       IHC-p 1:50-200, ELISA 1:10000-20000. IF 1:50-200         Concentration       1 mg/ml         Purity       ≥90%         Storage Stability       -20°C/1 year         Synonyms       Integrin alpha-E (HML-1 antigen;Integrin alpha-IEL;Mucosal lymphocyte 1 antigen;CD antigen CD103) [Cleaved into: Integrin alpha-E light chain; Integrin alpha-E heavy chain]         Observed Band       Expressed on a subclass of T-lymphocytes known as intra-epithelial lymphocytes which are located between mucosal epithelial cells.         Function       domain.The integrin (negrin alpha-E/beta-7 is a receptor for E-cadherin. It mediates achesion of intra-epithelial T-lymphocytes to epithelial cell monolayers., induction.integrin alpha-E/beta-7 is induced by TGE-B1, similarity:Belongs to the integrin alpha-E/beta-7 is induced by TGE-Cadherin. It mediates achesion of intra-epithelial T-lymphocytes to epithelial cell monolayers., induction.integrin alpha-E/beta-7 is induced by TGE-Cadherin. It mediates achesion of intra-epithelial T-lymphocytes to epithelial cell monolayers., inductiny:Contains 5 TG-GAP repeats., subunit:Heterodimer of an	Gene Name	ITGAE
Specificity     The antibody detects endogenous Integrin αE       Formulation     Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.       Source     Polyclonal, Rabbit,IgG       Purification     The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.       Dilution     IHC-p 1:50-200, ELISA 1:10000-20000. IF 1:50-200       Concentration     1 mg/ml       Purity     ≥90%       Storage Stability     -20°C/1 year       Synonyms     Integrin alpha-E (HML-1 antigen;Integrin alpha-IEL;Mucosal lymphocyte 1 antigen;CD antigen CD103) [Cleaved into: Integrin alpha-E light chain; Integrin alpha-E heavy chain]       Observed Band     Expressed on a subclass of T-lymphocytes known as intra-epithelial lymphocytes which are located between mucosal epithelial cells.       Function     domain: The integrin (-formin (insert)) is a VWFA domain. Integrins with 1-domains do not undergo protease cleavage, function:Integrin alpha-E/beta-7 is a receptor for E-cadherin. It mediates adhesion of intra-epithelial T-lymphocytes to epithelial cell monolayers., induction:Integrin alpha-E/beta-7 is a receptor for E-cadherin. It mediates adhesion of intra-epithelial T-lymphocytes to epithelial cell monolayers, induction:Integrin alpha chain family., similarity:Contains 1 VWFA domain. similarity:Belongs to the integrin alpha chain family. similarity:Contains 1 VWFA domain. similarity:Contains 5 FG-GAP repeats, subunit:Heterodimer of an alpha and a beta subunit. The alpha subunit is composed of an heavy and a light <td>Protein Name</td> <td>Integrin alpha-E (HML-1 antigen) (Integrin alpha-IEL) (Mucosal lymphocyte 1 antigen) (CD antigen CD103) [Cleaved into: Integrin alpha-E light chain; Integrin alpha-E heavy chain]</td>	Protein Name	Integrin alpha-E (HML-1 antigen) (Integrin alpha-IEL) (Mucosal lymphocyte 1 antigen) (CD antigen CD103) [Cleaved into: Integrin alpha-E light chain; Integrin alpha-E heavy chain]
Formulation     Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.       Source     Polyclonal, Rabbit,IgG       Purification     The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.       Dilution     IHC-p 1:50-200, ELISA 1:10000-20000. IF 1:50-200       Concentration     1 mg/ml       Purity     ≥90%       Storage Stability     -20°C/1 year       Synonyms     Integrin alpha-E (HML-1 antigen;Integrin alpha-IEL;Mucosal lymphocyte 1 antigen;CD antigen CD103) [Cleaved into: Integrin alpha-E light chain; Integrin alpha-E heavy chain]       Observed Band     Expressed on a subclass of T-lymphocytes known as intra-epithelial lymphocytes which are located between mucosal epithelial cells.       Function     domain. The integrin I-domain (insert) is a VWFA domain. Integrins with I-domains do nu dergo protease cleavage., (incution:Integrin alpha-E/beta-7 is a receptor for E-cadherin. It mediates adhesion of intra-epithelial T-lymphocytes to epithelial cells.       Function     domain. The integrin I-domain (insert) is a VWFA domain. Integrins with I-domains do not undergo protease cleavage., (incution:Integrin alpha-E/beta-7 is a receptor for E-cadherin. It mediates adhesion of intra-epithelial T-lymphocytes to epithelial cells.	Immunogen	Synthetic peptide from human protein at AA range: 710-770
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Purification     The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.       Dilution     IHC-p 1:50-200, ELISA 1:10000-20000. IF 1:50-200       Concentration     1 mg/ml       Purity     ≥90%       Storage Stability     -20°C/1 year       Synonyms     Integrin alpha-E (HML-1 antigen;Integrin alpha-IEL;Mucosal lymphocyte 1 antigen;CD antigen CD103) [Cleaved into: Integrin alpha-E light chain; Integrin alpha-E heavy chain]       Observed Band     Cell Pathway       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.       Function     domain: The integrin I-domain (insert) is a VWFA domain. Integrins with I-domains do not undergo protease cleavage, function:Integrin alpha-E/beta-7 is a receptor for E-cadherin. It mediates adhesion of intra-epithelial T-lymphocytes to epithelial cells.       Function     domain:The integrin I-domain (insert) is a VWFA domain. Integrins with I-domains a dpha and a beta subunti. The alpha subunit is composed of an heavy and a light	Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
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Concentration     1 mg/ml       Purity     ≥90%       Storage Stability     -20°C/1 year       Synonyms     Integrin alpha-E (HML-1 antigen;Integrin alpha-IEL;Mucosal lymphocyte 1 antigen;CD antigen CD103) [Cleaved into: Integrin alpha-E light chain; Integrin alpha-E heavy chain]       Observed Band     Cell Pathway       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.       Function     domain:The integrin I-domain (insert) is a VWFA domain. Integrins with I-domains do not undergo protease cleavage, function:Integrin alpha-E/beta-7 is a receptor for E-cadherin. It mediates adhesion of intra-epithelial T-lymphocytes to epithelial cell monolayers.,induction:Integrin alpha-E/beta-7 is induced by TGFB1.,similarity:Belongs to the integrin alpha chain family.,similarity:Contains 1 WWFA domain.,similarity:Contains 1 WWFA domain., similarity:Contains 1 WWFA domain. The alpha subunit. The alpha subunit. The alpha subunit. Heterodimer of an alpha and a beta subunit. The alpha subunit is composed of an heavy and a light	Purification	• • •
Purity     ≥90%       Storage Stability     -20°C/1 year       Synonyms     Integrin alpha-E (HML-1 antigen;Integrin alpha-IEL;Mucosal lymphocyte 1 antigen;CD antigen CD103) [Cleaved into: Integrin alpha-E light chain; Integrin alpha-E heavy chain]       Observed Band     Cell Pathway       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.       Function     domain:The integrin I-domain (insert) is a VWFA domain. Integrins with I-domains do not undergo protease cleavage.,function:Integrin alpha-E/beta-7 is induced by TGFB1, similarity:Belongs to the integrin alpha chain family.,similarity:Contains 1 WWFA domain., similarity:Contains 5 FG-GAP repeats.,subunit:Heterodimer of an alpha and a beta subunit. The alpha subunit is composed of an heavy and a light	Dilution	IHC-p 1:50-200, ELISA 1:10000-20000. IF 1:50-200
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	specificity:Expressed on a subclass of T-lymphocytes known as intra-epithelial lymphocytes which are located between mucosal epithelial cells.,
Background	integrin subunit alpha E(ITGAE) Homo sapiens 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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

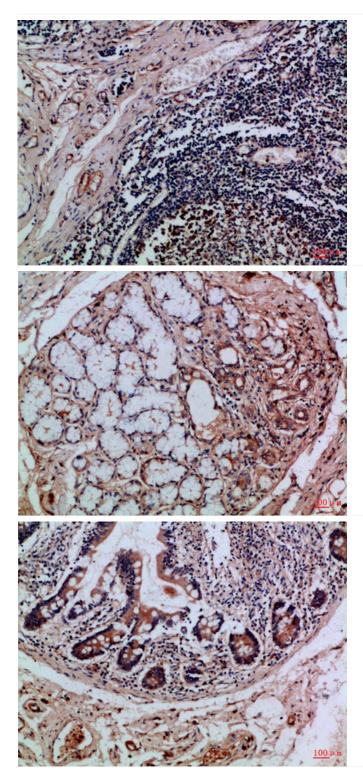
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## **Products Images**



Immunohistochemical analysis of paraffin-embedded Human-tonsil, antibody was diluted at 1:100

Immunohistochemical analysis of paraffin-embedded Human-tonsil, antibody was diluted at 1:100

Immunohistochemical analysis of paraffin-embedded Human-colon, antibody was diluted at 1:100

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