

# Integrin $\alpha$ E (PT1577R) PT™ Rabbit mAb

CatalogNo: YM9419 **Recombinant** 

## Key Features

### Host Species

- Rabbit

### Reactivity

- Human, Mouse, Rat

### Applications

- WB, IHC, IF, ELISA

### MW

- 130kD (Calculated)  
150kD (Observed)

### Isotype

- IgG, Kappa

## Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)**Formulation** PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

## Recommended Dilution Ratios

**IHC 1:200-1:1000****WB 1:2000-1:10000****IF 1:200-1:1000****ELISA 1:5000-1:20000**

## Basic Information

**Clonality** Monoclonal**Clone Number** PT1577R

## Immunogen Information

**Specificity** Endogenous

## Target Information

**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]

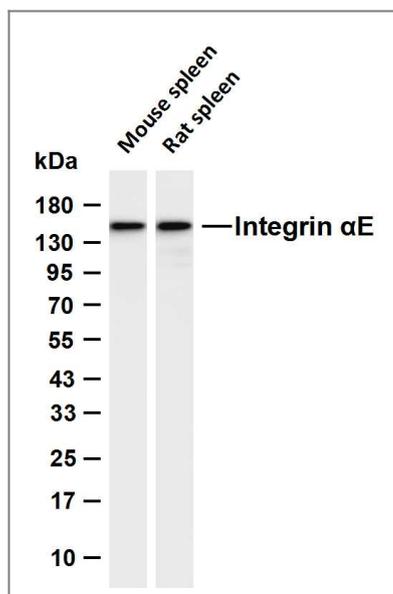
Organism	Gene ID	UniProt ID
Human	<a href="#">3682</a> ;	<a href="#">P38570</a> ;
Mouse	<a href="#">16407</a> ;	<a href="#">Q60677</a> ;

**Cellular Localization** Membrane; Single-pass type I membrane protein.

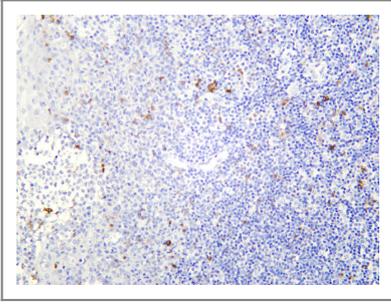
**Tissue specificity** Expressed on a subclass of T-lymphocytes known as intra-epithelial lymphocytes which are located between mucosal epithelial cells.

**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 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 chains linked by a disulfide bond. Alpha-E associates with beta-7.,tissue specificity:Expressed on a subclass of T-lymphocytes known as intra-epithelial lymphocytes which are located between mucosal epithelial cells.,

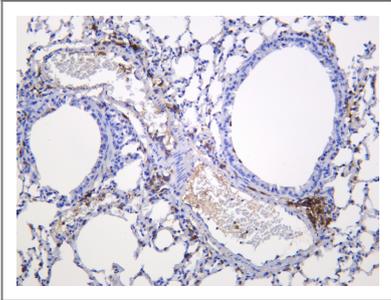
## Validation Data



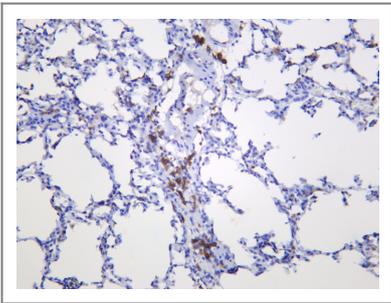
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Integrin  $\alpha$ E (PT1577R) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: Mouse spleen Lane 2: Rat spleen Predicted band size: 130kDa Observed band size: 150kDa



Human tonsil was stained with anti-Integrin  $\alpha$ E (PT1577R) Rabbit antibody



Mouse lung was stained with anti-Integrin  $\alpha$ E (PT1577R) Rabbit antibody



Rat lung was stained with anti-Integrin  $\alpha$ E (PT1577R) Rabbit antibody

## Contact information

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Please scan the QR code to access additional product information:  
**Integrin  $\alpha$ E (PT1577R) PT™ Rabbit mAb**

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