

**ITGAE Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP10494b****Specification**

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**ITGAE Antibody (C-term) Blocking Peptide - Product Information**

Primary Accession [P38570](#)  
Other Accession [NP\\_002199.3](#)

**ITGAE Antibody (C-term) Blocking Peptide - Additional Information**

**Gene ID** 3682

**Other Names**

Integrin alpha-E, HML-1 antigen, Integrin alpha-IEL, Mucosal lymphocyte 1 antigen, CD103, Integrin alpha-E light chain, Integrin alpha-E heavy chain, ITGAE

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**ITGAE Antibody (C-term) Blocking Peptide - Protein Information**

**Name** ITGAE

**Function**

Integrin alpha-E/beta-7 is a receptor for E-cadherin. It mediates adhesion of intra-epithelial T-lymphocytes to epithelial cell monolayers.

**Cellular Location**

Membrane; Single-pass type I membrane protein.

**Tissue Location**

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

**ITGAE Antibody (C-term) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

#### **ITGAE Antibody (C-term) Blocking Peptide - Images**

#### **ITGAE Antibody (C-term) Blocking Peptide - Background**

Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. ITGAE 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].

#### **ITGAE Antibody (C-term) Blocking Peptide - References**

Silva, L.K., et al. Eur. J. Hum. Genet. 18(11):1221-1227(2010) Liu, Y.H., et al. Ophthalmology 117(8):1645-1651(2010) Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Davila, S., et al. Genes Immun. 11(3):232-238(2010) Heron, M., et al. Clin. Immunol. 133(1):117-125(2009)