

**ITGA1 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP8814c****Specification**

---

**ITGA1 Antibody (Center) Blocking Peptide - Product Information**

Primary Accession [P56199](#)

**ITGA1 Antibody (Center) Blocking Peptide - Additional Information**

**Gene ID** 3672

**Other Names**

Integrin alpha-1, CD49 antigen-like family member A, Laminin and collagen receptor, VLA-1, CD49a, ITGA1

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP8814c](/products/AP8814c) was selected from the Center region of human ITGA1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

**ITGA1 Antibody (Center) Blocking Peptide - Protein Information**

**Name** ITGA1

**Function**

Integrin alpha-1/beta-1 is a receptor for laminin and collagen. It recognizes the proline-hydroxylated sequence G-F-P-G-E-R in collagen. Involved in anchorage-dependent, negative regulation of EGF-stimulated cell growth.

**Cellular Location**

Membrane; Single-pass type I membrane protein.

**ITGA1 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **ITGA1 Antibody (Center) Blocking Peptide - Images**

#### **ITGA1 Antibody (Center) Blocking Peptide - Background**

ITGA1 is the alpha 1 subunit of integrin receptors. This protein heterodimerizes with the beta 1 subunit to form a cell-surface receptor for collagen and laminin. The heterodimeric receptor is involved in cell-cell adhesion and may play a role in inflammation and fibrosis. The alpha 1 subunit contains an inserted (I) von Willebrand factor type I domain which is thought to be involved in collagen binding.

#### **ITGA1 Antibody (Center) Blocking Peptide - References**

Bank, I., et.al., J. Clin. Immunol. 11 (1), 29-38 (1991)