

**AMICA1 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP17456a****Specification**

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**AMICA1 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [Q86YT9](#)**AMICA1 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 120425**Other Names**

Junctional adhesion molecule-like, Adhesion molecule interacting with CXADR antigen 1, Dendritic cell-specific protein CREA7-1, AMICA1, JAML

**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.

**AMICA1 Antibody (N-term) Blocking Peptide - Protein Information****Name** JAML ([HGNC:19084](#))**Synonyms** AMICA1**Function**

Transmembrane protein of the plasma membrane of leukocytes that control their migration and activation through interaction with CXADR, a plasma membrane receptor found on adjacent epithelial and endothelial cells. The interaction between both receptors mediates the activation of gamma-delta T-cells, a subpopulation of T-cells residing in epithelia and involved in tissue homeostasis and repair. Upon epithelial CXADR-binding, JAML induces downstream cell signaling events in gamma-delta T-cells through PI3-kinase and MAP kinases. It results in proliferation and production of cytokines and growth factors by T- cells that in turn stimulate epithelial tissues repair. It also controls the transmigration of leukocytes within epithelial and endothelial tissues through adhesive interactions with epithelial and endothelial CXADR.

**Cellular Location**

Cell membrane; Single-pass type I membrane protein. Cell junction. Note=Localized at the plasma membrane and enriched in areas of cell-cell contacts (PubMed:12869515)

**Tissue Location**

Expression is restricted to the hematopoietic tissues with the exception of liver. Expressed in fetal liver, spleen and thymus. Preferentially expressed by mature leukocytes (at protein level).

### **AMICA1 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **AMICA1 Antibody (N-term) Blocking Peptide - Images**

### **AMICA1 Antibody (N-term) Blocking Peptide - Background**

AMICA1 may function in transmigration of leukocytes through epithelial and endothelial tissues. Expressed at the plasma membrane of polymorphonuclear leukocytes, it mediates adhesive interactions with CXADR, a protein of the junctional complex of epithelial cells. Enhances myeloid leukemia cell adhesion to endothelial cells.

### **AMICA1 Antibody (N-term) Blocking Peptide - References**

Rose, J. Phd, et al. Mol. Med. (2010) In press :Luissint, A.C., et al. J. Cell Biol. 183(6):1159-1173(2008)Zen, K., et al. Mol. Biol. Cell 16(6):2694-2703(2005)Zhang, Z., et al. Protein Sci. 13(10):2819-2824(2004)Moog-Lutz, C., et al. Blood 102(9):3371-3378(2003)