



Mouse Anti-Human JAML monoclonal antibody, clone NN16 (CABT-ZB430)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	It reacts with Human JAML
Target	AMICA1
Immunogen	Recombinant Human JAML/AMICA1 Protein
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	NN16
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA(cap) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB430 - CABT-ZB831 This antibody will detect JAML in antibody pair set. [ABPR-ZB003]
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human JAML / AMICA1. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Format	Purified, Liquid
Concentration	Lot specific

Size	50 µL, 100 µL, 200 µL, 1 mL
Buffer	PBS
Preservative	None
Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction Junctional adhesion molecules (JAMs) are endothelial and epithelial adhesion molecules involved in the recruitment of circulating leukocytes to inflammatory sites. JAML (Junctional adhesion molecule-like), also known as AMICA1 (Adhesion molecule interacting with CXADR antigen 1), a protein related to the JAM family, is restricted to leukocytes and promotes their adhesion to endothelial cells. It contains 2 extracellular immunoglobulin-like domains, a transmembrane segment, and a cytoplasmic tail involved in activation signaling. Monocytic JAML/AMICA1 plays a critical role in regulating monocyte transendothelial migration (TEM) probably via binding to the endothelial coxsackie and adenovirus receptor (CAR) and other tight junction-associated adhesive molecules. The Expression of JAML/AMICA1 is restricted to the hematopoietic tissues with the exception of liver. JAML may function in transmigration of leukocytes through epithelial and endothelial tissues. Expressed at the plasma membrane of polymorphonuclear leukocytes, JAML/AMICA1 also enhances myeloid leukemia cell adhesion to endothelial cells.

Keywords AMICA1; adhesion molecule; interacts with CXADR antigen 1; JAML

GENE INFORMATION

Synonyms AMICA1; adhesion molecule; interacts with CXADR antigen 1; JAML; AMICA; Gm638; CREA7-1; CREA7-4; junctional adhesion molecule-like; adhesion molecule AMICA; dendritic-cell specific protein CREA7-1; dendritic-cell specific protein CREA7-4; adhesion molecule interacting with CXADR antigen 1; anti-JAML

Entrez Gene ID [120425](#)

UniProt ID [Q86YT9](#)