

Mouse anti-Human JAM-A/Junctional Adhesion Molecule A Monoclonal Antibody | anti-F11R antibody

Anti-JAM-A/Junctional Adhesion Molecule A Antibody, Mouse Monoclonal

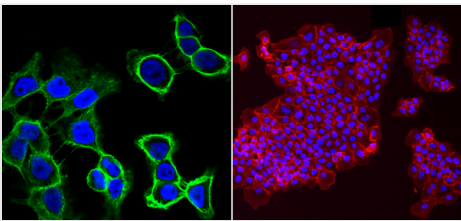
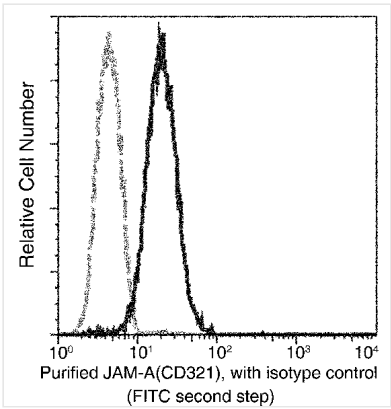
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254666	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

JAM-A/Junctional Adhesion Molecule A; Monoclonal Antibody; Anti-JAM-A/Junctional Adhesion Molecule A Antibody; Mouse Monoclonal; JAM-A/F11R Antibody; Mouse MAb; F11 receptor; Anti-CD321 Antibody; Anti-JAM Antibody; Anti-JAM1 Antibody; Anti-JAMA Antibody; Anti-JCAM Antibody; Anti-KAT Antibody; Anti-PAM-1 Antibody; anti-F11R antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	04
Specificity	Human JAM-A/F11R/CD321
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-F11R antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry)
Immunogen	Recombinant Human JAM-A/F11R/CD321 protein
Conjugation	Unconjugated
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 JAM-A/F11R/CD321 (rh JAM-A/F11R/CD321). The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



IF (Immunofluorescence)
Immunofluorescence staining of Human JAM-A in A431 cells. Cells were fixed with 4% PFA, blocked with 10% serum, and incubated with Mouse anti-Human JAM-A monoclonal antibody (1:100) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated (left panel, captured by laser confocal scanning microscope) and Alexa Fluor594-conjugated (right panel, captured by fluorescence microscope) Goat Anti-mouse IgG secondary antibody, countstained with DAPI (blue). Positive staining was localized to plasma membrane.

FCM/FACS (Flow Cytometry)
Flow cytometric analysis of human JAM-A(CD321) expression on SKBR3 cells. Cells were stained with purified anti-Human JAM-A(CD321), then a FITC-conjugated second step antibody. The histogram were derived from events with the forward and side light-scatter characteristics of intact cells.

ADDITIONAL INFORMATION

Related Product Information for anti-F11R antibody	Junctional adhesion molecule-A (JAM-A), also known as F11 receptor (F11R) or Cluster of Differentiation 321 (CD321), is a transmembrane protein expressed at tight junctions of epithelial and endothelial cells, as well as on circulating leukocytes. JAM-A protein serves as a serotype-independent receptor for mammalian orthoreoviruses (reoviruses). It is also a ligand for the integrin LFA1, involves in leukocyte transmigration. As a cell adhesion molecule of the immunoglobulin superfamily, JAM-A protein involves in platelet adhesion, secretion and aggregation, and plays a crucial role in inflammatory thrombosis and atherosclerosis. In addition, it may be a potential therapeutic target for breast cancer.
References	Guglielmi KM, et al. (2007) Reovirus binding determinants in junctional adhesion molecule-A. J Biol Chem. 282(24): 17930-40.Yeung D, et al. (2008) Decreased junctional adhesion molecule-A expression during blood-brain barrier breakdown. Acta Neuropathol. 115(6): 635-42.Ong KL, et al. (2009) Elevated plasma level of soluble F11 receptor/junctional adhesion molecule-A (F11R/JAM-A) in hypertension. Am J Hypertens. 22(5): 500-5.

NCBI AND UNIPROT INFORMATION

NCBI GI #	8393638
NCBI GeneID	50848
NCBI Accession #	NP_058642.1
NCBI GenBank Nucleotide #	NM_016946.4
UniProt Accession #	Q9Y624
Molecular Weight	32,583 Da
NCBI Official Full Name	junctional adhesion molecule A
NCBI Official Synonym Full Names	F11 receptor
NCBI Official Symbol	F11R
NCBI Official Synonym Symbols	JAM; KAT; JAM1; JAMA; JCAM; CD321; PAM-1
NCBI Protein Information	junctional adhesion molecule A; platelet F11 receptor; platelet adhesion molecule 1; junctional adhesion molecule 1
UniProt Protein Name	Junctional adhesion molecule A
UniProt Gene Name	F11R
UniProt Synonym Gene Names	JAM1; JCAM; JAM-A; JAM-1; PAM-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/jam-a-junctional-adhesion-molecule-a-antibody-clone-04-immunofluorescence-immunocytochemistry-flow-cytometry-elisa/254666>