10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

JAM3 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant JAM3.
Catalog # AT2579a

Product Information

Application	E
Primary Accession	Q9BX67
Other Accession	NM_032801
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	1D3
Calculated MW	35020

Additional Information

Gene ID	83700
Other Names	Junctional adhesion molecule C, JAM-C, JAM-2, Junctional adhesion molecule 3, JAM-3, JAM3
Target/Specificity	JAM3 (NP_116190, 82 a.a. ~ 180 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	JAM3 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

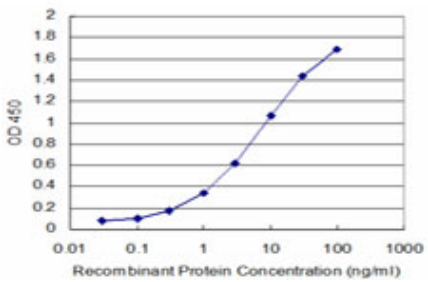
Background

Tight junctions represent one mode of cell-to-cell adhesion in epithelial or endothelial cell sheets, forming continuous seals around cells and serving as a physical barrier to prevent solutes and water from passing freely through the paracellular space. The protein encoded by this immunoglobulin superfamily gene member is localized in the tight junctions between high endothelial cells. Unlike other proteins in this family, the this protein is unable to adhere to leukocyte cell lines and only forms weak homotypic interactions. The encoded protein is a member of the junctional adhesion molecule protein family and acts as a receptor for another member of this family.

References

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.Junctional adhesion molecule-C is a soluble mediator of angiogenesis. Rabquer BJ, et al. J Immunol, 2010 Aug 1. PMID 20592283.Constitutive and functionally relevant expression of JAM-C on platelets. Erpenbeck L, et al. Thromb Haemost, 2010 Mar 31. PMID 20135068.Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. Talmud PJ, et al. Am J Hum Genet, 2009 Nov. PMID 19913121.JAM-C induces endothelial cell permeability through its association and regulation of {beta}3 integrins. Li X, et al. Arterioscler Thromb Vasc Biol, 2009 Aug. PMID 19461049.

Images



Detection limit for recombinant GST tagged JAM3 is approximately 0.1ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.