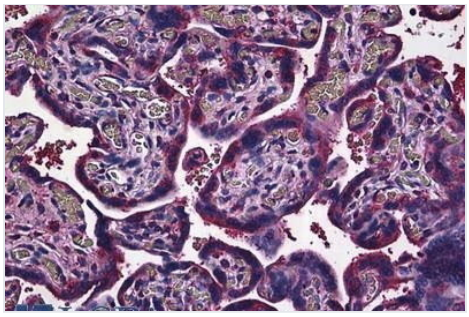
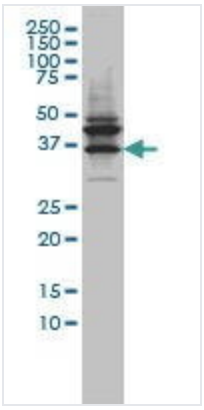
JAM2 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

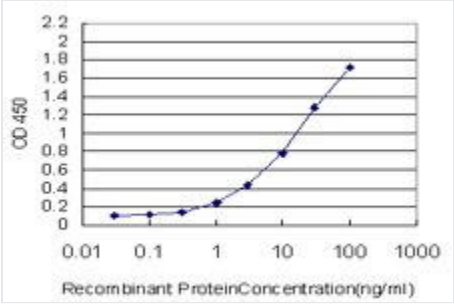
Product Name	JAM2, Monoclonal Antibody
Full Product Name	JAM2 (Junctional Adhesion Molecule B, JAM-B, Junctional Adhesion Molecule 2, JAM-2, Vascular Endothelial Junction-associated Molecule, VE-JAM, CD322, C21orf43, VEJAM, UNQ219/PRO245)
Product Gene Name	anti-JAM2 antibody
Product Synonym Names	Anti -JAM2 (Junctional Adhesion Molecule B, JAM-B, Junctional Adhesion Molecule 2, JAM-2, Vascular Endothelial Junction-associated Molecule, VE-JAM, CD322, C21orf43, VEJAM, UNQ219/PRO245)
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	1G4
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Recognizes human JAM2.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	33,207 Da
Chromosome Location	Chromosome: 21; NC_000021.8 (27011594..27089874). Location: 21q21.2
OMIM	606870
3D Structure	ModBase 3D Structure for P57087
Immunogen	Recombinant corresponding to aa29-299 from human JAM2 with GST tag. MW of the GST tag alone is 26kD.
Product Categories/Family for anti-JAM2 antibody	Antibodies; Abs to Connexin; Junction Proteins
Applications Tested/Suitable for anti-JAM2 antibody	ELISA (EL/EIA), Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-JAM2 antibody	Suitable for use in ELISA, Western Blot and Immunohistochemistry. Dilution: Western Blot: 1:500-1:1000 Immunohistochemistry (Formalin fixed paraffin embedded): 5ug/ml
Related Product Information for anti-JAM2 antibody	May play a role in the processes of lymphocyte homing to secondary lymphoid organs.
Other Notes	Small volumes of anti-JAM2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for JAM2 purchase	MBS6004595 is an antibody targeting JAM2. Also known as JAM2 (Junctional Adhesion Molecule B, JAM-B, Junctional Adhesion Molecule 2, JAM-2, Vascular Endothelial Junction-associated Molecule, VE-JAM, CD322, C21orf43, VEJAM, UNQ219/PRO245). Reactive in Human. Host: Mouse.



Immunohistochemistry (IHC) of anti-JAM2 antibody
Human Placenta: Formalin-Fixed, Paraffin-Embedded (FFPE)



Western Blot (WB) of anti-JAM2 antibody
Western Blot analysis of JAM2 expression in LNCaP cells with JAM2 monoclonal antibody.



Testing Data of anti-JAM2 antibody
Detection limit for recombinant GST tagged JAM2 is approximately 0.1ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for JAM2. It may not necessarily be applicable to this product.

NCBI GI #	393715113
NCBI GeneID	58494
NCBI Accession #	NP_001257337.1
UniProt Primary Accession #	P57087
UniProt Secondary Accession #	Q6UXG6; Q6YNC1; B2R6T9; B4DGT9
UniProt Related Accession #	P57087
GenBank Nucleotide #	NM_001270408.1
NCBI Official Full Name	junctional adhesion molecule B isoform 3
NCBI Official Synonym Full Names	junctional adhesion molecule 2
NCBI Official Symbol	JAM2
NCBI Official Synonym Symbols	JAMB; CD322; JAM-B; VEJAM; PRO245; VE-JAM; C21orf43
UniProt Protein Name	Junctional adhesion molecule B
UniProt Synonym Protein Names	Junctional adhesion molecule 2; JAM-2; Vascular endothelial junction-associated molecule
Protein Family	Junctional adhesion molecule
UniProt Gene Name	JAM2
UniProt Synonym Gene Names	C21orf43; VEJAM; JAM-B; JAM-2; VE-JAM

UniProt Entry Name	JAM2_HUMAN
NCBI Protein Information	junctional adhesion molecule B; JAM-2; JAM-IT/VE-JAM; vascular endothelial junction-associated molecule
NCBI Summary for JAM2	This gene belongs to the immunoglobulin superfamily, and the junctional adhesion molecule (JAM) family. The protein encoded by this gene is a type I membrane protein that is localized at the tight junctions of both epithelial and endothelial cells. It acts as an adhesive ligand for interacting with a variety of immune cell types, and may play a role in lymphocyte homing to secondary lymphoid organs. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2012]
UniProt Comments for JAM2	JAM2: May play a role in the processes of lymphocyte homing to secondary lymphoid organs. Belongs to the immunoglobulin superfamily. Protein type: Membrane protein, integral; Cell adhesion Chromosomal Location of Human Ortholog: 21q21.2 Cellular Component: tight junction; integral to plasma membrane; plasma membrane Molecular Function: protein binding; protein heterodimerization activity Biological Process: cell-cell adhesion; extracellular matrix organization and biogenesis; negative regulation of cell adhesion; blood coagulation; leukocyte migration
Research Articles on JAM2	**1.** These data brought new evidences for the role of JAM2 and JAM3 in progression of gastric adenocarcinoma
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