

Product datasheet for **AM26321PU-N**

Jam3 Rat Monoclonal Antibody [Clone ID: 19H36]

Product data:

Product Type:	Primary Antibodies
Clone Name:	19H36
Applications:	ELISA, IHC, IP
Recommended Dilution:	Immunohistochemistry on frozen sections: The typical starting working dilution is 1:50. Flow cytometry: The typical starting working dilution is 1:50. Immunoassay. Immunoprecipitation. Does not work in Western blot and immunohistology on paraffin sections.
Reactivity:	Human, Mouse
Host:	Rat
Isotype:	IgG2a
Clonality:	Monoclonal
Specificity:	This antibody detects JAM-C. In humans, JAM-C expression is not restricted to endothelial cells, but is also expressed on human lymphocytes.
Formulation:	PBS State: Purified State: Liquid 0.2 µm filtered Ig fraction Stabilizer: 0.1% bovine serum albumin Preservative: 0.02% sodium azide
Concentration:	lot specific
Purification:	Protein G
Conjugation:	Unconjugated
Storage:	Store at 2 - 8 °C.
Stability:	Shelf life: one year from despatch.
Gene Name:	junction adhesion molecule 3
Database Link:	Entrez Gene 83964 Mouse Q9D8B7



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Background:

Junctional adhesion molecule-C (JAM-C) also known as JAM-2 is a 45 kD cell adhesion molecule (CAM). JAM-C is a transmembrane protein which is a member of the immunoglobulin superfamily found at intercellular junctions of endothelial cells. JAM-C belongs together with JAM-A (JAM or JAM-1) and JAM-B (VE-JAM or JAM-3) to a family of adhesion proteins with a V-C2 immunoglobulin domain organization. JAM plays an important role in tight junctions where it is involved in cell-to-cell adhesion through homophilic interaction. It codistributes with other tight junction components as ZO-1, 7H6 antigen, cingulin and occludin. JAM-C is potentially involved in the junctional sealing of the vascular endothelium, in particular of high endothelial venules (HEV). In adult murine tissue JAM-C expression is reported to be restricted to high endothelial venules of lymphoid organs, lymphoendothelial cells and endothelial cells in kidney.

Synonyms:

FLJ14529; JAM-2; JAM-3; JAM-C; JAMC