



Anti-Mouse Junctional adhesion molecule A (JAM-A) (#1M21)

20150116ML

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

Cat.-no.:	103-M257
Size:	100 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a rat immunized with purified mouse recombinant protein of JAM-A extracellular domain. The IgG2 fraction of the culture supernatant was purified by Protein A/G affinity chromatography.

Target Background

Synonyms (Target):	F11r; JAM; Jcam; JAM-1; JAM-A; Jcam1; Ly106; ESTM33; AA638916; 9130004G24
---------------------------	---

Members of the junctional adhesion molecule (JAM) family are type I transmembrane glycoproteins of the immunoglobulin (Ig) superfamily that are localized in the tight junctions between endothelial or epithelial cells and appear to be involved in leukocyte transmigration. JAM-A, also known as platelet adhesion molecule 1 (PAM-1) and platelet F11 receptor, contains two V-type Ig-like domains, forms homodimers, and interacts with LFA-1. JAM-B (vasculoendothelial or VE-JAM) and JAM-C each contain two Ig domains (one V-type and one C2-type), a cytoplasmic PDZ-binding motif and a PKC phosphorylation site. JAM-C interacts with MAC-1 and facilitates JAM-B interaction with integrin alpha 4 beta 1.

Database References Target

Protein RefSeq:	NP_766235.1
Uniprot ID:	O88792
mRNA RefSeq:	NM_172647.2

Product Specifications

Host	Rat
Reactivity against	Mouse
Clonality	Monoclonal Antibody
Clone	(#1M21)
Isotype	IgG2
Purification	Protein A/G chromatography
Antigen	Mouse recombinant EC domain of JAM-A
Formulation	lyophilized
Reconstitution buffer	PBS (sterile)

Reconstitution: Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

Remarks: This antibody detects mouse JAM-A in Western blotting.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

Applications

The antibody can be used within the following applications:

WB

Recommended usage:

WB: 1:500-1000

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!