

## Product datasheet for AM31113PU-N

#### OriGene Technologies, Inc.

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### Junctional Adhesion Molecule 2 (JAM2) (29-299) Mouse Monoclonal Antibody [Clone ID: 1G4]

**Product data:** 

**Product Type:** Primary Antibodies

Clone Name: 1G4

**Applications:** ELISA, IHC, WB

Recommended Dilution: ELISA.

Immunohistochemistry on Paraffin Sections: 5 µg/ml.

Western Blot: 1/500 - 1/1000.

Reactivity: Human
Host: Mouse
Isotype: IgG1

Clonality: Monoclonal

Immunogen: JAM2 (AAH17779, 29 a.a. ~ 299 a.a) full length recombinant protein with GST tag

**Specificity:** This antibody reacts to JAM2 / JAMB at aa 29-299.

Formulation: PBS, pH 7.4

State: Purified

State: Liquid purified Ig fraction

**Concentration:** lot specific

**Purification:** Affinity chromatography on Protein A

**Conjugation:** Unconjugated

Storage: Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

Gene Name: junctional adhesion molecule 2

Database Link: Entrez Gene 58494 Human

P57087





# Junctional Adhesion Molecule 2 (JAM2) (29-299) Mouse Monoclonal Antibody [Clone ID: 1G4] – AM31113PU-N

**Background:** JAM2 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.

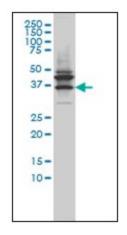
Synonyms: JAM-B, C21orf43, VEJAM

**Protein Families:** Druggable Genome, Transmembrane

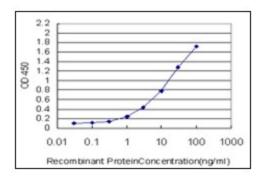
Protein Pathways: Cell adhesion molecules (CAMs), Epithelial cell signaling in Helicobacter pylori infection,

Leukocyte transendothelial migration, Tight junction

#### **Product images:**

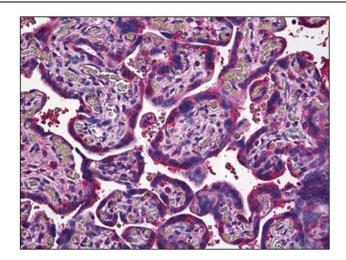


Western Blot analysis of JAM2 expression in LNCaP cells with JAM2 monoclonal antibody, clone 1G4.



Detection limit for recombinant GST tagged JAM2 is approximately 0.1ng/ml as a capture antibody.





Human Placenta: Formalin-Fixed, Paraffin-Embedded (FFPE)