

Rabbit anti-JAM-A

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Store at 2 to 8°C (short-term), or -20°C (long-term)

Clonality: Polyclonal
Concentration: 0.25 mg/mL
Quantity: 100 µg
Volume: 400 µL

Host/Class: Rabbit
Reactivity: Human

Product Description

Junctional adhesion molecule-A (JAM-A, previously known as JAM-1 in human and mouse) is an integral membrane protein that co-localizes with the tight junction proteins occludin, ZO-1, and cingulin. JAM-A has been characterized as a member of the immunoglobulin (Ig) superfamily and is composed of an extracellular domain, a single-pass transmembrane region, and a short cytoplasmic tail. JAM-A is localized at tight junctions in endothelial and epithelial cells and its sub-cellular distribution is modulated by inflammatory cytokines. JAM-A is also expressed on circulating leukocytes and platelets, as well as in lymphoid.³ Most claudins as well as JAM-A end with the amino acid Val at their C-terminal ends, suggesting that these C-termini bind directly to PDZ domains. During development reactivity was confirmed with human Caco-2 colorectal adenocarcinoma cell lysates.

Product Specifications

Immunogen: Synthetic peptide corresponding to the C-terminal region of the human JAM-A protein. JAM-A was previously named JAM-1 in mouse and human, and was renamed for consistency in nomenclature.

Apparent MW: ~36–41 kDa

Clone/PAD: ZMD.275

Lot: See product label

Product Applications

Application	Species	Concentration
Western Blotting	Human	1–3 µg/mL
ELISA	Immunogen	0.1–1.0 µg/mL
Immunofluorescence	Human	10 µg/mL

Storage and Handling

Store at 2 to 8°C for up to one month. Store at -20°C for long-term storage. Avoid repeated freezing and thawing.

Stability

When stored as instructed, expires one year from date of receipt unless otherwise indicated on product label.

Storage Buffer

Phosphate buffered saline (PBS), pH 7.4, containing 0.1% sodium azide.

Caution: Sodium azide is an extremely toxic and dangerous compound particularly when combined with acids or metals. Properly dispose of solutions containing sodium azide.

Safety Data Sheets (SDS)

Safety Data Sheets (SDSs) are available at www.lifetechnologies.com/support.

Certificate of Analysis

The Certificate of Analysis provides detailed quality control and product qualification information for each product. Certificates of Analysis are available on our website. Go to www.lifetechnologies.com/support and search for the Certificate of Analysis by product lot number, which is printed on the box.

For research use only. Not for use in diagnostic procedures.

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Explanation of symbols

Symbol	Description	Symbol	Description	Symbol	Description
	Manufacturer		Catalog number		Batch code
	Use by		Temperature limitation		
	Consult instructions for use		Caution, consult accompanying documents		

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