

Product Datasheet

JAM-A Antibody (2E3-1C8) - Azide and BSA Free H00050848-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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Publications: 11

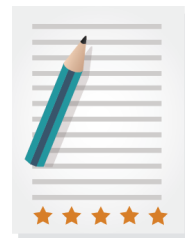
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H00050848-M01

JAM-A Antibody (2E3-1C8) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2E3-1C8
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4

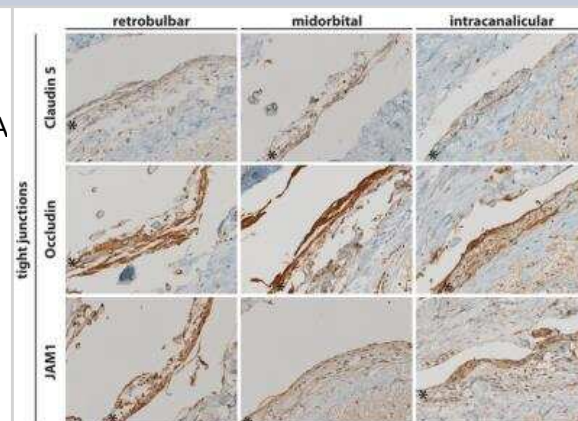
Product Description	
Description	Novus Biologicals Mouse JAM-A Antibody (2E3-1C8) - Azide and BSA Free (H00050848-M01) is a monoclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. Anti-JAM-A Antibody: Cited in 11 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	50848
Gene Symbol	F11R
Species	Human
Reactivity Notes	Human. Other species not tested.
Specificity/Sensitivity	F11R - F11 receptor
Immunogen	F11R (AAH01533, 1 a.a. ~ 299 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MGTKAQVERKLLCLFILAILLCSLALGSVTVHSSEPEVRIPENNPVKLSCAYSGF SSPRVEWKFDQGD TTRLVCYNNKITASYEDRVTF LPTGITFKSVTREDTGTYTC MVSEEGGNSYGEVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSE YTWFKDGI VMPTNPKSTRAFSNSSYVLNPTTGELVFDPLSASDTGEYSCEARN GYGTPMTSNAVRMEAVERNVGVIVA AVLVT LILLGILVFGIWFAYS RGHFDR TK KGTSSKKVIYSQPSARSEGEFKQTSSFLV
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Proximity Ligation Assay, Sandwich ELISA
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin, Proximity Ligation Assay, Sandwich ELISA
Application Notes	Antibody reactive against cell lysate and recombinant protein for Western Blot. Has also been used for immunohistochemistry (paraffin) and ELISA.

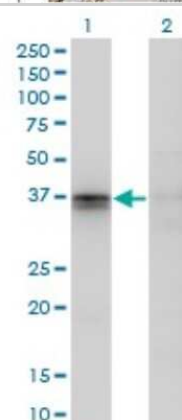


Images

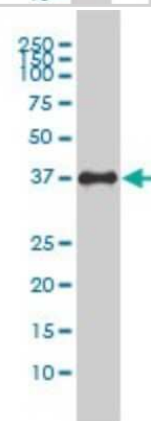
Immunohistochemistry: JAM-A Antibody (2E3-1C8) [H00050848-M01] - Coronal sections of human meninges including the retrobulbar, midorbital, and intracanalicular part of the optic nerve stained for cell-cell interaction markers of tight junctions (JAM-A, Occludin, and Claudin 5). A representative staining of one patient is shown. * indicates arachnoid layer. Image collected and cropped by CiteAb from the following publication (<https://journal.frontiersin.org/article/10.3389/fneur.2017.00308/full>) licensed under a CC-BY license.



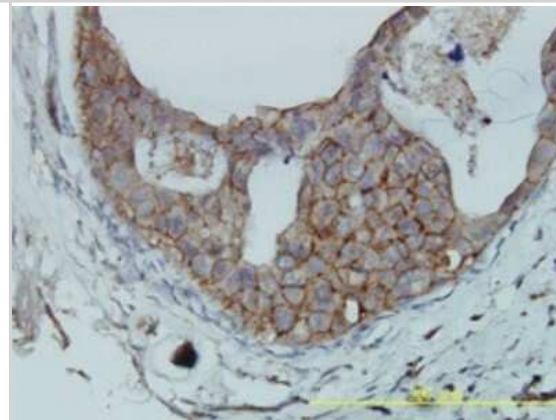
Western Blot: JAM-A Antibody (2E3-1C8) [H00050848-M01] - Analysis of F11R expression in transfected 293T cell line by F11R monoclonal antibody (M01), clone 2E3-1C8. Lane 1: F11R transfected lysate (Predicted MW: 32.6 KDa). Lane 2: Non-transfected lysate.



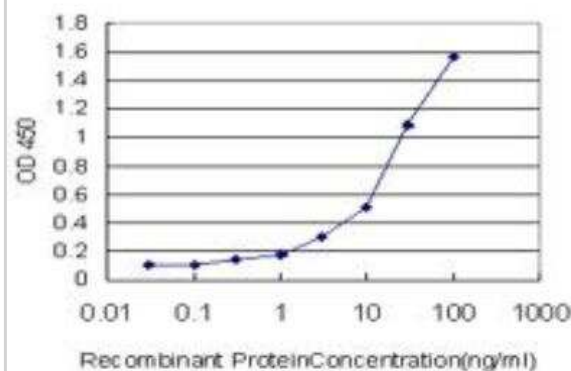
Western Blot: JAM-A Antibody (2E3-1C8) [H00050848-M01] - F11R monoclonal antibody (M01), clone 2E3-1C8 Analysis of F11R expression in HepG2.



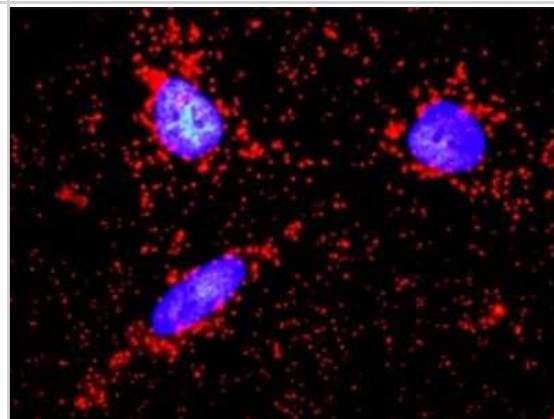
Immunohistochemistry-Paraffin: JAM-A Antibody (2E3-1C8) [H00050848-M01] - Analysis of monoclonal antibody to F11R on formalin-fixed paraffin-embedded human breast cancer tissue. Antibody concentration 1 ug/ml.



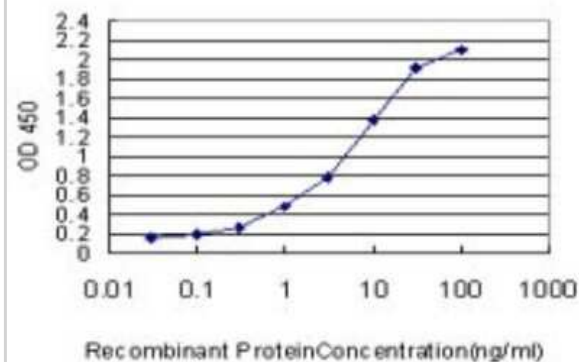
ELISA: JAM-A Antibody (2E3-1C8) [H00050848-M01] - Detection limit for recombinant GST tagged F11R is approximately 0.3ng/ml as a capture antibody.



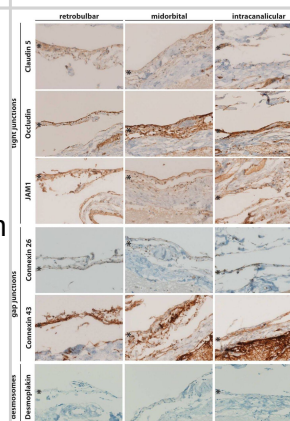
Proximity Ligation Assay: JAM-A Antibody (2E3-1C8) [H00050848-M01] - Analysis of protein-protein interactions between PRKCZ and F11R. HeLa cells were stained with anti-PRKCZ rabbit purified polyclonal 1:1200 and anti-F11R mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



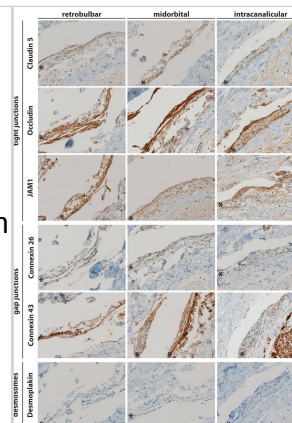
Sandwich ELISA: JAM-A Antibody (2E3-1C8) [H00050848-M01] - Detection limit for recombinant GST tagged F11R is approximately 0.1ng/ml as a capture antibody.



Immunohistochemistry-Paraffin: JAM-A Antibody (2E3-1C8) [H00050848-M01] - Sagittal sections of human meninges including the retrobulbar, midorbital, & intracanalicular part of the optic nerve stained for cell-cell interaction markers of tight junctions (JAM1, Occludin, & Claudin 5), gap junctions (Connexin 26 & 43), & desmosomes (Desmoplakin). A representative staining of one patient is shown. * indicates arachnoid layer. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/28706505>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Immunohistochemistry: JAM-A Antibody (2E3-1C8) [H00050848-M01] - Coronal sections of human meninges including the retrobulbar, midorbital, & intracanalicular part of the optic nerve stained for cell-cell interaction markers of tight junctions (JAM1, Occludin, & Claudin 5), gap junctions (Connexin 26 & 43), & desmosomes (Desmoplakin). A representative staining of one patient is shown. * indicates arachnoid layer. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/28706505>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Laudine C, Mauricio M, Fabrice S et al. Low Junctional Adhesion molecule-A Expression Is Associated With an Epithelial to Mesenchymal Transition and Poorer Outcomes in High-Grade Serous Carcinoma of Uterine Adnexa. *Mod Pathol*. 2020-06-08 [PMID: 32514162]

Cathy R, Katherine S, Elaine K et al. Development of a Novel Weighted Ranking Method for Immunohistochemical Quantification of a Heterogeneously Expressed Protein in Gastro-Esophageal Cancers. *Cancers (Basel)*. 2021-03-13 [PMID: 33805812]

Tom H, Matteo G, Nicole D et al. Gastrointestinal cancer-associated fibroblasts expressing Junctional Adhesion Molecule-A are amenable to infection by oncolytic reovirus. *Cancer Gene Ther*. 2022-07-22 [PMID: 35869278]

Baek K and Choi Y. Estrogen reinforces barrier formation and protects against tumor necrosis factor alpha-induced barrier dysfunction in oral epithelial cells. *J Periodontal Implant Sci*. 2018-10-24 [PMID: 30405936]

Neutzner A, Power L, Durrenberger M et al. A perfusion bioreactor-based 3D model of the subarachnoid space based on a meningeal tissue construct *Fluids Barriers CNS* 2019-06-13 [PMID: 31189484] (IF/IHC, Human)

Vellanki SH, Cruz RGB, Jahns H et al. Natural compound Tetrocarcin-A downregulates Junctional Adhesion Molecule-A in conjunction with HER2 and Inhibitor of Apoptosis Proteins and inhibits tumor cell growth. *Cancer Lett* 2018-10-09 [PMID: 30312728]

Zeleny TNC, Kohler C, Neutzner A et al. Cell-Cell Interaction Proteins (Gap Junctions, Tight Junctions, and Desmosomes) and Water Transporter Aquaporin 4 in Meningothelial Cells of the Human Optic Nerve *Front Neurol* 2017-07-14 [PMID: 28706505] (IHC-P, Human)

Huang JY, Xu YY, Sun Z et al. Low JAM-A expression correlates with poor prognosis in gastric cancer. *Journal of Surgical Research*. 2014-01-01 [PMID: 25033702]

McSherry EA, McGee SF, Jirstrom K et al. JAM-A expression positively correlates with poor prognosis in breast cancer patients. *Int J Cancer*. 2009-09-15 [PMID: 19533747]

Fong D, Spizzo G, Mitterer M et al. Low Expression of Junctional Adhesion Molecule A Is Associated with Metastasis and Poor Survival in Pancreatic Cancer. *Ann Surg Oncol*. 2012-05-02 [PMID: 22549289]

Gutwein P, Schramme A, Voss B et al. Downregulation of junctional adhesion molecule-A is involved in the progression of clear cell renal cell carcinoma. *Biochem Biophys Res Commun* 380(2):387-91. 2009-03-06 [PMID: 19250634]



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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP2-38934PEP	JAM-A Recombinant Protein Antigen

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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