

For Research Use Only

# JAM-A/CD321 Recombinant antibody

Catalog Number: 86229-1-RR



## Basic Information

<b>Catalog Number:</b> 86229-1-RR	<b>GenBank Accession Number:</b> NM_172647.2	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 16456	<b>CloneNo.:</b> 250060H5
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O88792	<b>Recommended Dilutions:</b> WB: 1:1000-1:8000 IF/ICC: 1:400-1:1600
<b>Isotype:</b> IgG	<b>Full Name:</b> F11 receptor	
<b>Immunogen Catalog Number:</b> EG3117	<b>Calculated MW:</b> 32 kDa	
	<b>Observed MW:</b> 33 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> mouse, rat	<b>WB :</b> bEnd.3 cells, rat lung tissue, mouse lung tissue, mouse testis tissue, mouse liver tissue
	<b>IF/ICC :</b> bEnd.3 cells,

## Background Information

Junctional Adhesion Molecule-A (JAM-A), also known as CD321 or F11R, is a transmembrane glycoprotein belonging to the immunoglobulin superfamily. It is primarily located in the tight junctions of epithelial and endothelial cells and is also expressed on circulating platelets and leukocytes (PMID: 34533648). Targeting F11R/JAM-A with monoclonal antibodies or peptide antagonists has shown promise in inhibiting tumor growth and metastasis in mouse models (PMID: 37563645).

## Storage

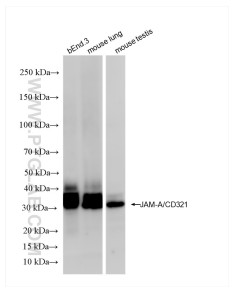
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

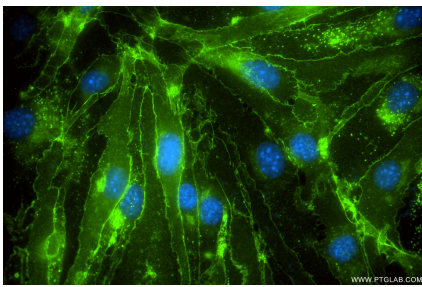
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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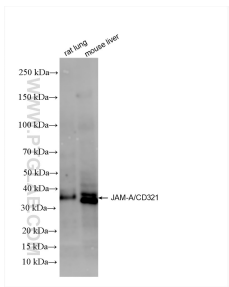
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86229-1-RR (F11r(CD321) antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed bEnd.3 cells using JAM-A/CD321 antibody (86229-1-RR, Clone: 250060H5 ) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Various lysates were subjected to SDS PAGE followed by western blot with 86229-1-RR (F11r(CD321) antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.