

For Research Use Only

# JAM-A/CD321 Recombinant antibody, PBS Only (Capture)

Catalog Number:84720-1-PBS



## Basic Information

<b>Catalog Number:</b> 84720-1-PBS	<b>GenBank Accession Number:</b> NM_016946.6	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 50848	<b>CloneNo.:</b> 242290B3
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9Y624-1	
<b>Isotype:</b> IgG	<b>Full Name:</b> F11 receptor	
	<b>Calculated MW:</b> 33kDa	

## Applications

**Tested Applications:**  
Cytometric bead array, Sandwich ELISA, Indirect ELISA,  
Sample test

**Species Specificity:**  
human

## Product Information

84720-1-PBS targets JAM-A/CD321 as part of a matched antibody pair:

MP00247-2: 84720-1-PBS capture and 84720-3-PBS detection (validated in Cytometric bead array, Sandwich ELISA)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

## Storage

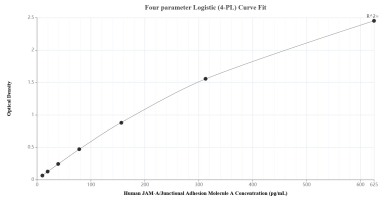
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

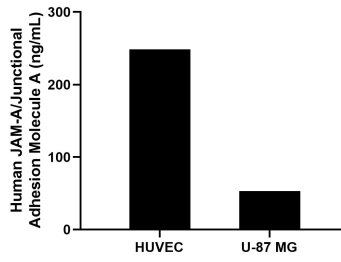
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

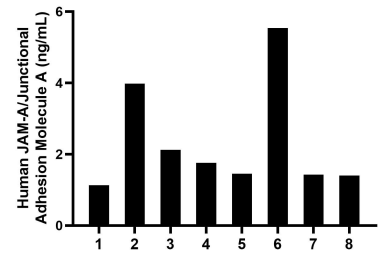
## Selected Validation Data



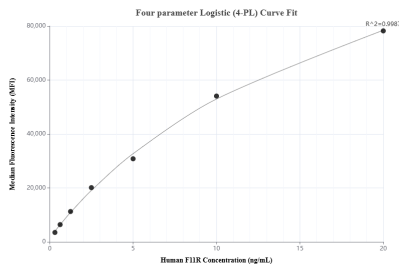
Sandwich ELISA standard curve of MP00247-2, Human JAM-A/Junctional Adhesion Molecule A Recombinant Matched Antibody Pair - PBS only. 84720-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg1372. 84720-3-PBS was HRP conjugated as the detection antibody. Range: 9.77-625 pg/mL.



The mean JAM-A/Junctional Adhesion Molecule A concentration was determined to be 248.8 ng/mL in HUVEC cell extract based on a 1.1 mg/mL extract load and 53.3 ng/mL in U-87 MG cell extract based on a 2.0 mg/mL extract load.



Serum of eight individual healthy human donors was measured. The JAM-A/Junctional Adhesion Molecule A concentration of detected samples was determined to be 2.4 ng/mL with a range of 1.1-5.5 ng/mL.



Cytometric bead array standard curve of MP00247-2, F11R Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84720-1-PBS. Detection antibody: 84720-3-PBS. Standard: Eg1372. Range: 0.313-20 ng/mL.