



## RayBiotech, Inc.

3607 Parkway Lane suite 100  
Norcross, GA 30092  
Tel: 770-729-2992, 1-888-494-8555  
Fax: 770-206-2393  
Website: [www.raybiotech.com](http://www.raybiotech.com)  
Email: [info@raybiotech.com](mailto:info@raybiotech.com)

# Certificate of Analysis and Data Sheet Rat Anti-Mouse JAM-1 / CD321, Biotinylated

**Catalog No.**  
DS-MB-00626

**Species**  
Mouse

**Isotype**  
IgG1

## Preparation

**Immunogen:** MTE1/MTE2 stromal cell lines.

**Purification:** Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

**Fusion Partners:** Cells from immunised Lou rats were fused with cells of the X63 mouse myeloma cell line.

## Specificity

DS-MB-00626 recognizes murine CD321, which is also known as junctional adhesion molecule 1 (JAM-1). CD321 is a 32-41kD glycoprotein, which shares similarities with related proteins JAM-2 and JAM-3.

CD321 is a multifunctional protein that is primarily expressed by platelets, endothelial and epithelial cells. The CD321 protein co-localizes with tight junction molecules in both epithelial and endothelial cells and plays an important role in the regulation of junctional integrity and permeability. In addition, CD321 is a ligand for the integrin LFA-1 and is also involved in the transmigration of leucocytes.

## Formulation

**Product Form:** Purified IgG conjugated to Biotin - liquid

**Preservative & Stabilizers:** 0.09% Sodium Azide; 1% Bovine Serum Albumin

**Buffer Solution:** Phosphate buffered saline

**Approx. Protein Concentrations:** IgG concentration 0.1 mg/ml

**Synonyms:** Jam1, Jcam, Jcam1

## Storage

18 months shelf life. Store at +4°C or at -20°C if preferred.

This product should be stored undiluted. Storage in frost-free freezers is not recommended. Should this product contain a precipitate we recommend microcentrifugation before use.

**Please avoid freeze-thaw cycles.**

**Shelf Life:** 18 months from date of dispatch.

**The products are furnished for LABORATORY RESEARCH USE ONLY.  
Not for diagnostic or therapeutic use.**



## RayBiotech, Inc.

3607 Parkway Lane suite 100  
Norcross, GA 30092  
Tel: 770-729-2992, 1-888-494-8555  
Fax: 770-206-2393  
Website: [www.raybiotech.com](http://www.raybiotech.com)  
Email: [info@raybiotech.com](mailto:info@raybiotech.com)

### Applications

**Table Summary of antibody applications and working conditions**

<b>Options</b> <b>Functions</b>	<b>YES</b>	<b>NO</b>	<b>Not determined</b>	<b>Suggested Dilution</b>
Flow Cytometry*	•			Neat - 1/5

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

\* Use 10ul of the suggested working dilution to label  $10^6$  cells in 100ul.

**The products are furnished for LABORATORY RESEARCH USE ONLY.  
Not for diagnostic or therapeutic use.**