

## Product datasheet

# Recombinant Human Junctional Adhesion Molecule 1/JAM-A protein ab151859

## 2 References

### Description

<b>Product name</b>	Recombinant Human Junctional Adhesion Molecule 1/JAM-A protein	
<b>Purity</b>	<p>&gt; 95 % SDS-PAGE.</p> <p>Purity is greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.</p>	
<b>Endotoxin level</b>	< 1.000 Eu/μg	
<b>Expression system</b>	HEK 293 cells	
<b>Accession</b>	<b><u>Q9Y624</u></b>	
<b>Protein length</b>	Protein fragment	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Human	
<b>Sequence</b>	SVTVHSSEPEVRIPENNPVKLSCAYSGFSSPRVEWKFDQ GDTTRLVCYNN KITASYEDRVTFLLPTGITFKSVTREDTGTYTCMVSEEGGNS YGEVKVKLI VLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPEYTW KDGVMPTNP KSTRAFSNSSVVLNPTTGELVFDPLSASDTGEYSCEARN GYGTPMTSNAV RMEAVERNVGVDDHHHHHH	
<b>Predicted molecular weight</b>	24 kDa including tags	
<b>Amino acids</b>	28 to 238	
<b>Tags</b>	His tag C-Terminus	

### Specifications

Our **Abpromise guarantee** covers the use of **ab151859** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	SDS-PAGE
	HPLC
<b>Form</b>	Lyophilized

## Preparation and Storage

---

### Stability and Storage

Shipped at 4°C. Store at -80°C.

pH: 7.50

Constituents: 0.75% Glycine, 0.32% Tris HCl, 0.29% Sodium chloride

### Reconstitution

Dissolve the lyophilized protein in 1X PBS. It is not recommended to reconstitute to a concentration less than 100 µg/ml.

Reconstituted protein solution can be stored at 4-7°C for 2-7 days. For long term storage aliquot and store at < -20°C.

## General Info

---

### Function

Seems to play a role in epithelial tight junction formation. Appears early in primordial forms of cell junctions and recruits PARD3. The association of the PARD6-PARD3 complex may prevent the interaction of PARD3 with JAM1, thereby preventing tight junction assembly (By similarity). Plays a role in regulating monocyte transmigration involved in integrity of epithelial barrier. Involved in platelet activation. In case of orthoreovirus infection, serves as receptor for the virus.

### Sequence similarities

Belongs to the immunoglobulin superfamily.

Contains 2 Ig-like V-type (immunoglobulin-like) domains.

### Post-translational modifications

N-glycosylated.

### Cellular localization

Cell junction > tight junction. Cell membrane. Localized at tight junctions of both epithelial and endothelial cells.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

## Our Abpromise to you: Quality guaranteed and expert technical support

---

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

## Terms and conditions

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors