

# Anti-Junctional Adhesion Molecule 1/JAM-A antibody [EPR23244-12] - BSA and Azide free ab269950

リコンビナント **RabMAb**

画像数 6

## 製品の概要

製品名	Anti-Junctional Adhesion Molecule 1/JAM-A antibody [EPR23244-12] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR23244-12] to Junctional Adhesion Molecule 1/JAM-A - BSA and Azide free
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB, ICC/IF, Flow Cyt, IP <b>適用なし:</b> IHC-P
種交差性	<b>交差種:</b> Human
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: Human lung tissue lysate. HT-29, HUVEC and TF-1 whole cell lysate. ICC/IF: HT-29 cells. Flow Cyt: HT-29 cells, human B lymphocytes and human monocytes. IP: HT-29 whole cell lysate. Human lung tissue lysate.
特記事項	<p>ab269950 is the carrier-free version of <a href="#">ab269948</a>.</p> <p>Our <b>carrier-free</b> antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p>

Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb<sup>®</sup> patents](#).

## 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C. Do Not Freeze.
バッファー	pH: 7.2 Constituent: PBS
キャリア・フリー	はい
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR23244-12
アイソタイプ	IgG

## アプリケーション

**The Abpromise guarantee**      **Abpromise保証は、次のテスト済みアプリケーションにおけるab269950の使用に適用されます**  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
WB		Use at an assay dependent concentration. Predicted molecular weight: 32 kDa.
ICC/IF		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.

**追加情報**      Is unsuitable for IHC-P.

## ターゲット情報

機能	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.
配列類似性	Belongs to the immunoglobulin superfamily. Contains 2 Ig-like V-type (immunoglobulin-like) domains.
翻訳後修飾	N-glycosylated.
細胞内局在	Cell junction > tight junction. Cell membrane. Localized at tight junctions of both epithelial and endothelial cells.



Immunoprecipitation - Anti-Junctional Adhesion Molecule 1/JAM-A antibody [EPR23244-12] - BSA and Azide free (ab269950)

Junctional Adhesion Molecule 1/JAM-A was immunoprecipitated from 0.35 mg human lung lysate 10µg with **ab269948** at 1/30 dilution (2µg in 0.35 mg lysates). Western blot was performed on the immunoprecipitate using **ab269948** at 1/500 dilution. VeriBlot for IP Detection Reagent (HRP) (**ab131366**) was used at 1/1000 dilution.

**Lane 1:** Human lung lysate 10µg.

**Lane 2:** **ab269948** IP in human lung lysate.

**Lane 3:** Rabbit monoclonal IgG (**ab172730**) instead of **ab269948** in human lung lysate.

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Exposure time: 15 seconds.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab269948**).



Immunoprecipitation - Anti-Junctional Adhesion Molecule 1/JAM-A antibody [EPR23244-12] - BSA and Azide free (ab269950)

Junctional Adhesion Molecule 1/JAM-A was immunoprecipitated from 0.35 mg HT-29 (Human colorectal adenocarcinoma epithelial cell) whole cell lysate 10µg with **ab269948** at 1/30 dilution (2µg in 0.35 mg lysates). Western blot was performed on the immunoprecipitate using **ab269948** at 1/500 dilution. VeriBlot for IP Detection Reagent (HRP) (**ab131366**) was used at 1/1000 dilution.

**Lane 1:** HT-29 whole cell lysate 10µg.

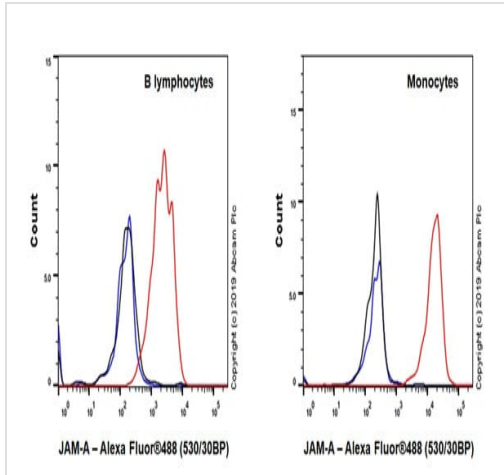
**Lane 2:** **ab269948** IP in HT-29 whole cell lysate.

**Lane 3:** Rabbit monoclonal IgG (**ab172730**) instead of **ab269948** in HT-29 whole cell lysate.

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Exposure time: 15 seconds.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab269948**).



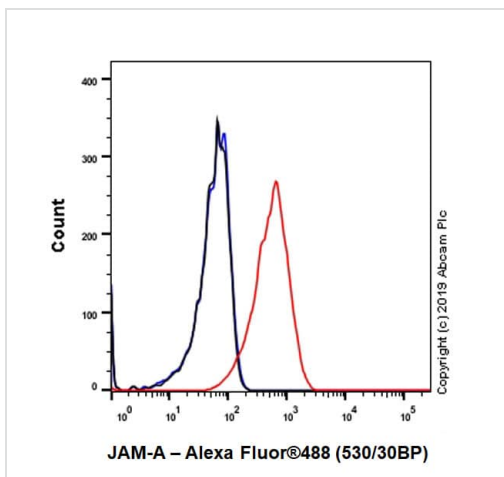
Flow Cytometry - Anti-Junctional Adhesion Molecule 1/JAM-A antibody [EPR23244-12] - BSA and Azide free (ab269950)

Flow cytometric analysis of human B lymphocytes (Left) / human monocytes (Right) cells labeling Junctional Adhesion Molecule 1/JAM-A with **ab269948** at 1/500 compared with a Rabbit monoclonal IgG (**ab172730**) / Black isotype control and an unlabeled control (cells without incubation with primary antibody and secondary antibody) (Blue). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) at 1/2000 was used as the secondary antibody.

Human peripheral blood mononuclear cell (PBMC) co-stained with anti-CD19 conjugated to PE-Cy7 and anti-CD14 conjugated to BV510. JAM-A expression on B lymphocytes (CD19+) and monocytes (CD14+) population are shown respectively.

Gated on viable cells.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab269948**).

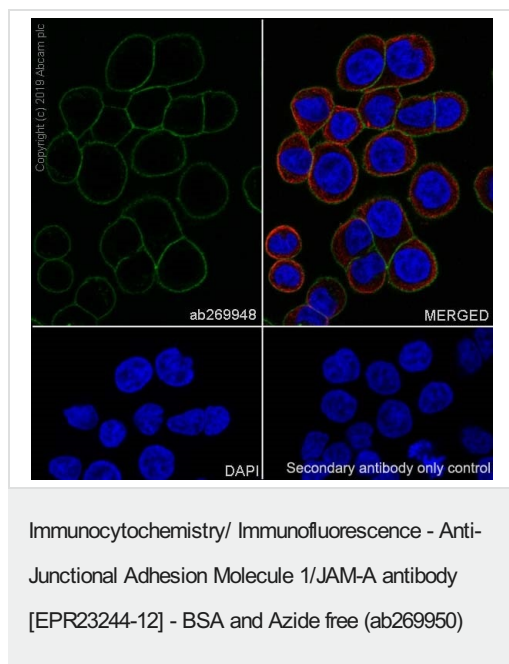


Flow Cytometry - Anti-Junctional Adhesion Molecule 1/JAM-A antibody [EPR23244-12] - BSA and Azide free (ab269950)

Flow cytometric analysis of HT-29 (Human colorectal adenocarcinoma epithelial cell) cells labeling Junctional Adhesion Molecule 1/JAM-A with **ab269948** at 1/500 compared with a Rabbit monoclonal IgG (**ab172730**) / Black isotype control and an unlabeled control (cells without incubation with primary antibody and secondary antibody) (Blue). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) at 1/2000 was used as the secondary antibody.

Gated on viable cells.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab269948**).



Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HT-29 (human colorectal adenocarcinoma epithelial cell) cells labeling Junctional Adhesion Molecule 1/JAM-A with **ab269948** at 1/50 dilution, followed by **ab150077** AlexaFluor®488 Goat anti-Rabbit secondary antibody at 1/1000 dilution (Green). Confocal image showing membranous staining in HT-29 cell line is observed. **ab195889** Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) was used to counterstain tubulin at 1/200 dilution (Red). The nuclear counterstain was DAPI (Blue).

Secondary antibody only control: **ab150077** AlexaFluor®488 Goat anti-Rabbit secondary at 1/1000 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab269948**).

Why choose a recombinant antibody?

**Research with confidence**  
Consistent and reproducible results

**Long-term and scalable supply**  
Recombinant technology

**Success from the first experiment**  
Confirmed specificity

**Ethical standards compliant**  
Animal-free production

Anti-Junctional Adhesion Molecule 1/JAM-A antibody [EPR23244-12] - BSA and Azide free (ab269950)

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

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