

**PRODUCT INFORMATION**

<b>Clone ID</b>	DMC278
<b>Target</b>	JAM-A
<b>Synonyms</b>	CD321; JAM;JAM1; JAMA; JCAM; KAT; PAM-1
<b>Host Species</b>	Rabbit
<b>Description</b>	Anti-JAM-A antibody(DMC278); IgG1 Chimeric mAb
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	Q9Y624
<b>IgG type</b>	Rabbit/Human Fc chimeric IgG1
<b>Clonality</b>	Monoclonal
<b>Reactivity</b>	Human
<b>Applications</b>	Flow Cyt
<b>Recommended Dilutions</b>	Flow Cyt 1:100
<b>Purification</b>	Purified from cell culture supernatant by affinity chromatography
<b>Formulation &amp; Reconstitution</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
<b>Storage &amp; Shipping</b>	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
<b>Background</b>	Tight junctions represent one mode of cell-to-cell adhesion in epithelial or endothelial cell sheets; forming continuous seals around cells and serving as a physical barrier to prevent solutes and water from passing freely through the paracellular space. The protein encoded by this immunoglobulin superfamily gene member is an important regulator of tight junction assembly in epithelia. In addition; the encoded protein can act as (1) a receptor for reovirus; (2) a ligand for the integrin LFA1; involved in leukocyte transmigration; and (3) a platelet receptor. Multiple 5' alternatively spliced variants; encoding the same protein; have been identified but their biological validity has not been established.
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated



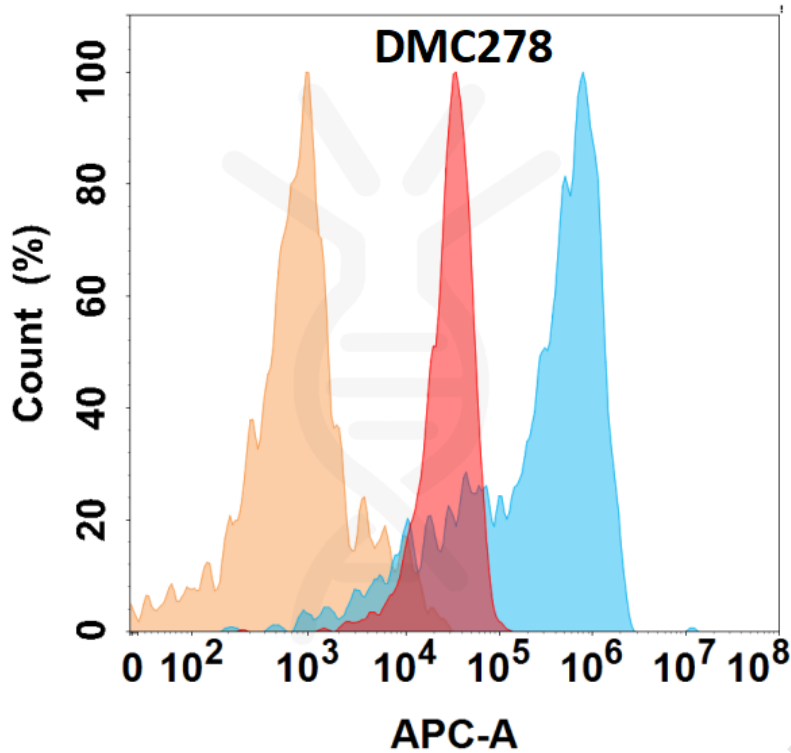


Figure 1. JAM-A protein is highly expressed on the surface of Expi293 cell membrane. Flow cytometry analysis with Anti-JAM-A (DMC278) on Expi293 cells transfected with human JAM-A (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram), and Isotype antibody on Expi293 transfected with irrelevant protein (Orange histogram).

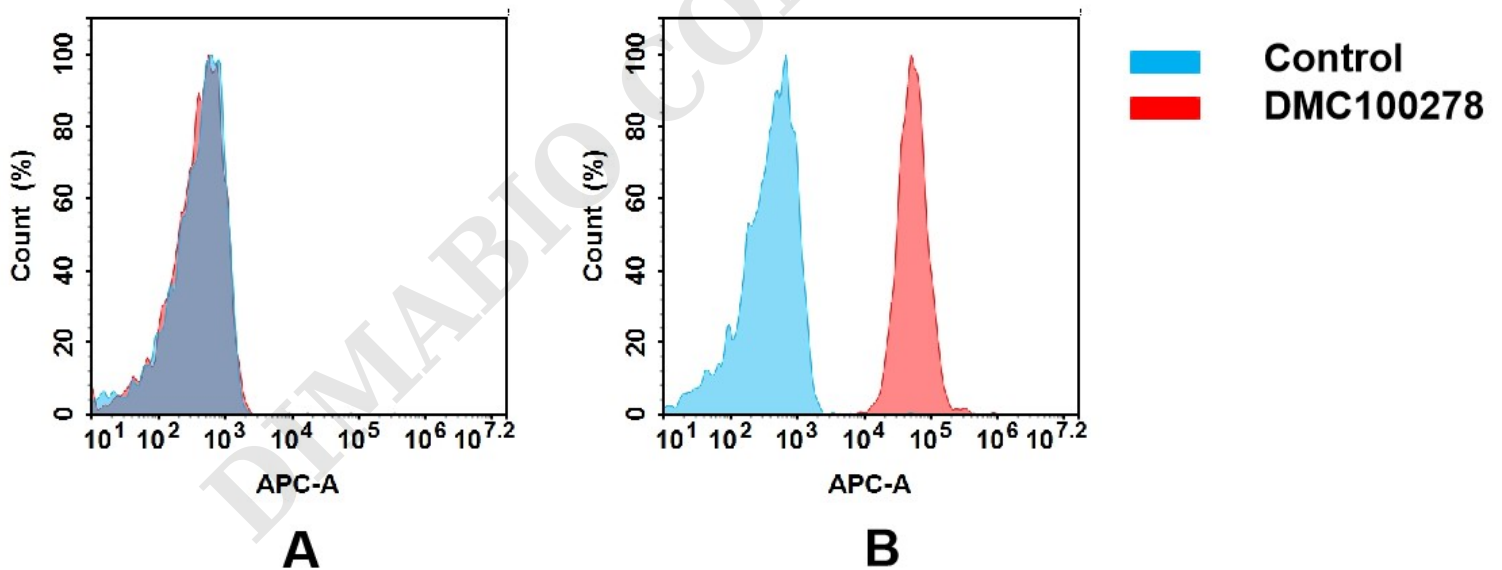


Figure 2. Flow cytometry analysis of antigen binding of anti-human JAM-A mAb(DMC100278).

(A) DMC100278 does not bind to CHO-S cells that do not express JAM-A.

(B) A clear peak shift of DMC100278 was seen compared to the control when incubated with JAM-A-expressing AGS cells, indicating strong binding of DMC100278 to JAM-A. Antibodies were incubated at 5  $\mu$ g/mL.

