PRODUCT INFORMATION

Clone ID	DMC278
Target	JAM-A
Synonyms	CD321; JAM;JAM1; JAMA; JCAM; KAT; PAM-1
Host Species	Rabbit
Description	Anti-JAM-A antibody(DMC278); IgG1 Chimeric mAb
Delivery	In Stock
Uniprot ID	Q9Y624
IgG type	Rabbit/Human Fc chimeric IgG1
Clonality	Monoclonal
Reactivity	Human
Applications	Flow Cyt
Recommended Dilutions	Flow Cyt 1:100
Purification	Purified from cell culture supernatant by affinity chromatography
Formulation & Reconstitution	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.
Storage & Shipping	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.
Background	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.
Usage	Research use only
Conjugate	Unconjugated
DIMA Disclaimer	All DIMA recombinant antibodies are genuinely generated by DIMA Biotech. They are all under patent application. Any protein sequencing or reverse engineering attempt is prohibited. We are actively scrutinizing all patent application to ensure no IP infringement.

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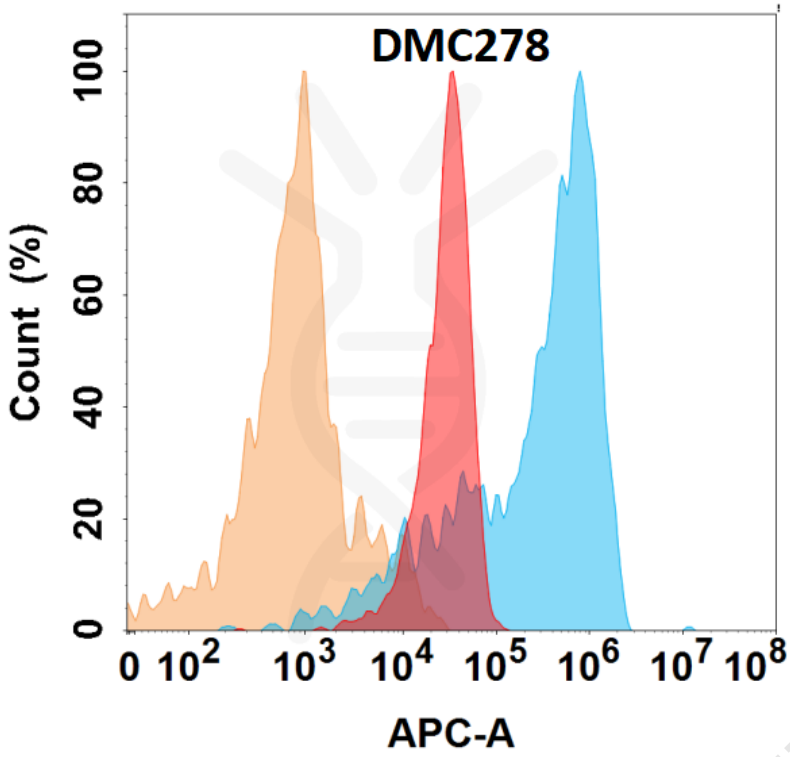

Figure 1. JAM-A protein is highly expressed on the surface of HEK293 cell membrane. Flow cytometry analysis with Anti-JAM-A (DMC278) on HEK293 cells transfected with human JAM-A (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram), and Isotype antibody on HEK293 transfected with irrelevant protein (Orange histogram).

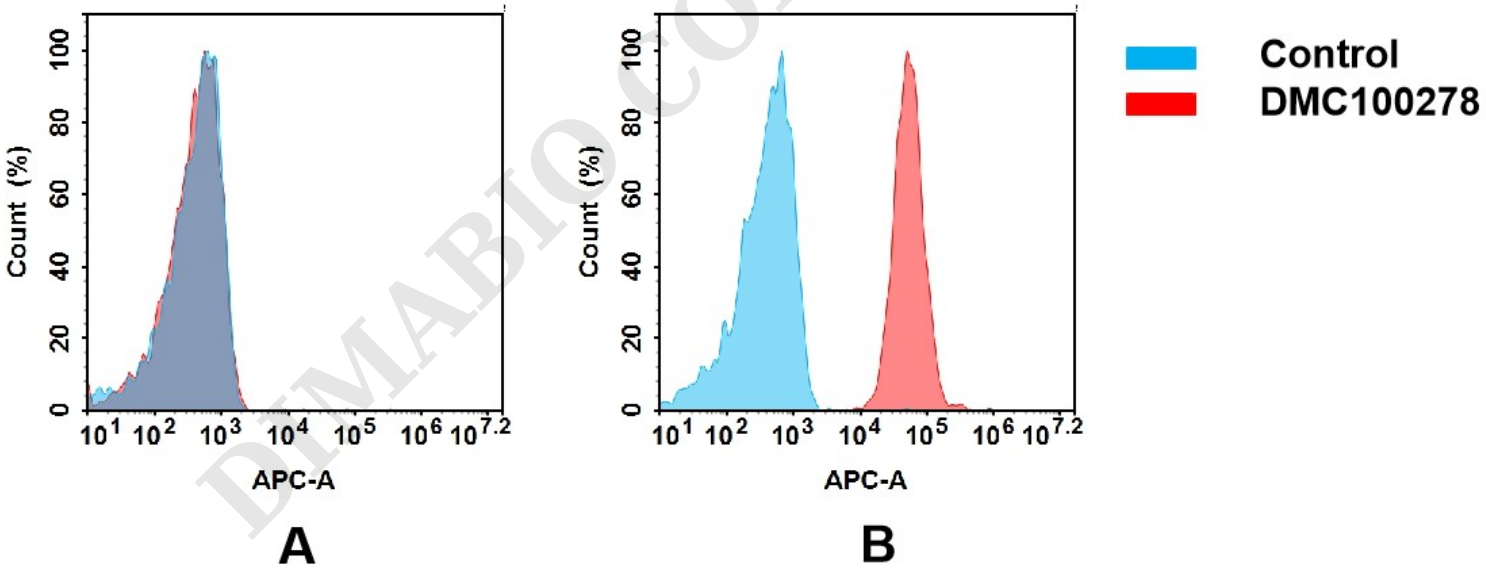

Figure 2. Flow cytometry analysis of antigen binding of anti-human JAM-A mAb(DMC100278).
(A) DMC100278 does not bind to CHO-S cells that do not express JAM-A.
(B) A clear peak shift of DMC100278 was seen compared to the control when incubated with JAM-A-expressing AGS cells, indicating strong binding of DMC100278 to JAM-A. Antibodies were incubated at 5 μg/mL.

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