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12-9221: Anti-JAM-A antibody(DMC278), IgG1 Chimeric mAb

Clonality :	Monoclonal
Clone Name :	DMC278
Application :	FACS
Reactivity :	Human
Alternative Name :	CD321, JAM,JAM1, JAMA, JCAM, KAT, PAM-1

Description

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.

Product Info

Amount :	100 µg
Purification :	Purified from cell culture supernatant by affinity chromatography
Content :	Not Sterile
Storage condition :	Store at -20°C for 12 months (Avoid repeated freezing and thawing)

Application Note

FACS 1/100

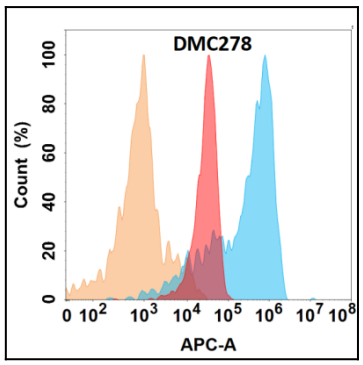

Figure 1. JAM-A protein is highly expressed on the surface of Expi293 cell membrane. Flow cytometry analysis with Anti-JAM-A (DMC278) on Expi293 cells transfected with human JAM-A (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram), and Isotype antibody on Expi293 transfected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

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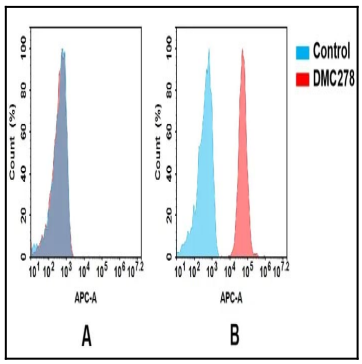

Figure 2. Flow cytometry analysis of antigen binding of anti-human JAM-A mAb. (A) JAM-A mAb does not bind to CHO-S cells that do not express JAM-A. (B) A clear peak shift of JAM-A mAb was seen compared to the control when incubated with JAM-A-expressing AGS cells, indicating strong binding of JAM-A mAb to JAM-A. Antibodies were incubated at 5 Î¼g/mL.