## PRODUCT INFORMATION

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|---|---|
| **Target** | JAM-A |
| **Synonyms** | CD321;JAM;JAM1;JAMA;JCAM;KAT;PAM-1 |
| **Description** | Recombinant Human JAM-A Protein with C-terminal human Fc tag |
| **Delivery** | In Stock |
| **Uniprot ID** | Q9Y624 |
| **Expression Host** | HEK293 |
| **Tag** | C-Human Fc Tag |
| **Molecular Characterization** | JAM-A(Ser28-Val238) hFc(Glu99-Ala330) |
| **Molecular Weight** | The protein has a predicted molecular mass of 49.1 kDa after removal of the signal peptide.The apparent molecular mass of JAM-A-hFc is approximately 55-70 kDa due to glycosylation. |
| **Purity** | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining. |
| **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 |

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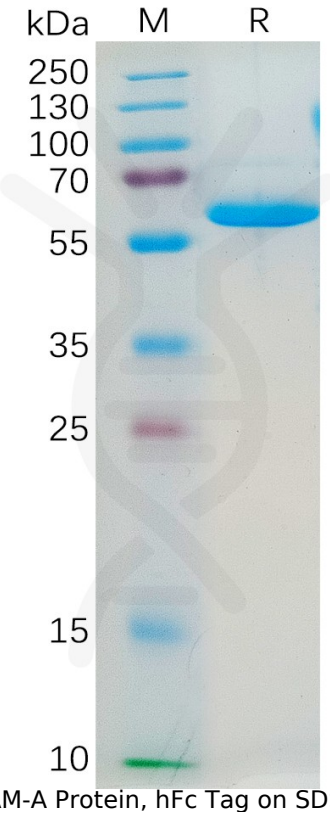



Figure 1. Human JAM-A Protein, hFc Tag on SDS-PAGE under reducing condition.

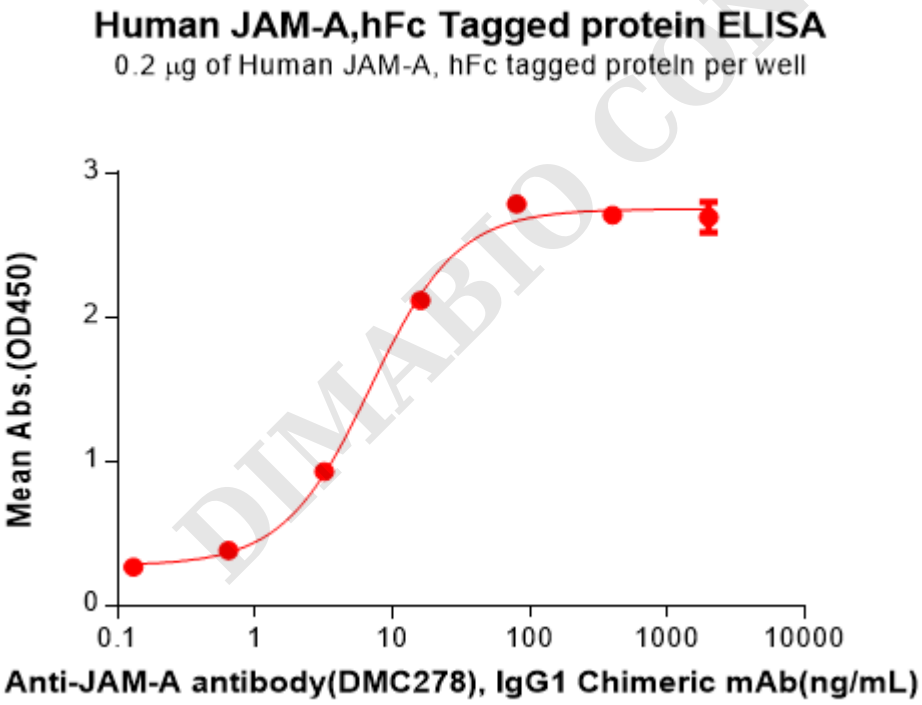



Figure 2. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human JAM-A Protein, hFc Tag(PME100554) can bind Anti-JAM-A antibody(DMC278), IgG1 Chimeric mAb in a linear range of 3.20–80 ng/mL.

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