

Recombinant Human JAM-A/F11R Protein (Fc Tag)

Catalog Number:PKSH031772



Note: Centrifuge before opening to ensure complete recovery of vial contents.

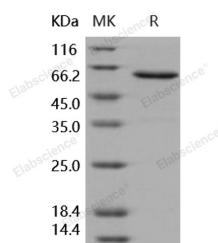
Description

| | |
|------------------------------------|---|
| Synonyms | Junctional Adhesion Molecule A;JAM-A;Junctional Adhesion Molecule 1;JAM-1;Platelet F11 Receptor;Platelet Adhesion Molecule 1;PAM-1;CD321;F11R;JAM1;JCAM;JAMA;JCAM;KAT |
| Species | Human |
| Expression Host | HEK293 Cells |
| Sequence | Met 1-Ala 242 |
| Accession | NP_058642.1 |
| Calculated Molecular Weight | 50.0 kDa |
| Observed molecular weight | 61 kDa |
| Tag | C-hFc |
| Bioactivity | Measured by the ability of the immobilized protein to support the adhesion of Jurkat human acute T cell leukemia cells. When 8×10^4 cells/well are added to JAM-A-Fc coated plates (2. 5 μ g/mL, 100 μ L/well) in the presence of 20 ng/mL PMA, approximately 30-40% will adhere after 30 minutes at 37°C. |

Properties

| | |
|-----------------------|--|
| Purity | > 95 % as determined by reducing SDS-PAGE. |
| Endotoxin | < 1.0 EU per μ g of the protein as determined by the LAL method. |
| Storage | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. |
| Shipping | This product is provided as lyophilized powder which is shipped with ice packs. |
| Formulation | Lyophilized from sterile 100mM Glycine, 10mM NaCl, 50mM Tris, pH 7.5 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual. |
| Reconstitution | Please refer to the printed manual for detailed information. |

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Junctional adhesion molecule-A (JAM-A); also known as F11 receptor (F11R) or Cluster of Differentiation 321 (CD321); is a transmembrane protein expressed at tight junctions of epithelial and endothelial cells; as well as on circulating

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leukocytes. JAM-A protein serves as a serotype-independent receptor for mammalian orthoreoviruses (reoviruses). It is also a ligand for the integrin LFA1; involves in leukocyte transmigration. As a cell adhesion molecule of the immunoglobulin superfamily; JAM-A protein involves in platelet adhesion; secretion and aggregation; and plays a crucial role in inflammatory thrombosis and atherosclerosis. In addition; it may be a potential therapeutic target for breast cancer.

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