

For Research Use Only

Recombinant Mouse JAM-A/Junctional Adhesion Molecule A protein (rFc Tag) (HPLC verified)

Catalog Number: Eg3117



Basic Information

Species:
Mouse

Purity:
>90 %, SDS-PAGE
>90 %, SEC-HPLC

Tag:
rFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE
>90 %, SEC-HPLC

Endotoxin Level:
<0.1 EU/ µg protein, LAL method

Source:
HEK293-derived Mouse JAM-A protein Lys27-Gly238 (Accession# O88792) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
16456

Accession:
O88792

Predicted Molecular Mass:
48.9 kDa

SDS-PAGE:
50-52 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:
It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:
The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

F11 receptor (F11R), also called Junctional Adhesion Molecule-A (JAM-A), is a transmembrane protein that belongs to the immunoglobulin superfamily of cell adhesion molecules. F11R is present in epithelial cells, endothelial cells, leukocytes, and blood platelets. F11R participates in regulating various biological processes, as diverse as paracellular permeability, tight junction formation and maintenance, leukocyte transendothelial migration, epithelial-to-mesenchymal transition, angiogenesis, reovirus binding, and platelet activation.

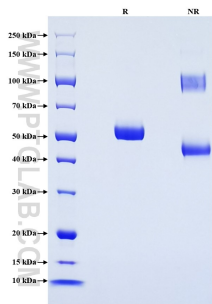
References

- 1.Fang TJ. et al. (2016) Int J Rheum Dis. 19(2):127-133.
- 2.Czubak-Prowizor K. et al. (2022) Mol Cell Biochem. 477(1):79-98.
- 3.Kamola P. et al. (2023) Platelets. 34(1):2214618.

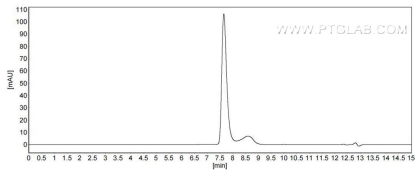
Synonyms

CD321, F11r, Jam1, JAM-1, JAM-A

Selected Validation Data



Purity of Recombinant Mouse JAM-A was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.



The purity of Mouse JAM-A was greater than 90% as determined by SEC-HPLC.