For Research Use Only

Recombinant Human JAM-A/Junctional Adhesion Molecule A protein (rFc Tag)

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Catalog Number: Eg1372

Basic Information

Species: Human

Purity: >90 %, SDS-PAGE

Tag: rFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE

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

Source:
HEK293-derived Human JAM-A protein Ser28-Val238 (Accession# Q9Y624-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
50848

Accession:
Q9Y624-1

Predicted Molecular Mass:
49.2 kDa

SDS-PAGE:
45-60 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℃ to -80℃ as lyophilized proteins.
- 3 months, -20℃ to -80℃ 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

Junctional Adhesion Molecule A (JAM-A) is a member of the JAM family of cell adhesion molecules. In epithelial cells, JAM-A signaling modulates cell migration in a β1 integrin-dependent manner. JAM-A is a crucial regulator of leukocyte extravasation and is upregulated in human viral fibrosis. JAM-A functions as a female microglial tumor suppressor in glioblastoma.

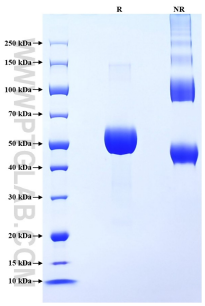
References

1. Ebnet K. (2017). Physiol Rev. 97(4):1529-1554.
2. Severson EA. et al. (2009). Curr Opin Cell Biol. 21(5):701-70.
3. Schmitz SM. et al. (2022). Liver Int. 42(5):1185-1203.
4. Turaga SM. et al. (2020). Neuro Oncol. 22(11):1591-1601.

Synonyms

F11R, CD321, F11 receptor, JAM, JAM 1

Selected Validation Data



Purity of Recombinant Human 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.