For Research Use Only

Recombinant Mouse JAM-3 protein (rFc Tag)(HPLC verified)

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Catalog Number: Eg2661

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-3 protein Glu30-Asn241 (Accession# Q9D8B7) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
83964

Accession:
Q9D8B7

Predicted Molecular Mass:
49.9 kDa

SDS-PAGE:
50-60 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 molecules (JAMs) are integral membrane proteins belonging to the immunoglobulin (Ig) superfamily. JAMs are expressed by leukocytes, platelets, endothelial, and epithelial cells and localized at the tight junction of polarized cells and on the cell surface of leukocytes. JAM-3, also known as JAM-C, is expressed on human platelets. JAM-3 is a novel counterreceptor for the integrin Mac-1 (CD11b/CD18) thereby playing a critical role for platelet–leukocyte interactions.

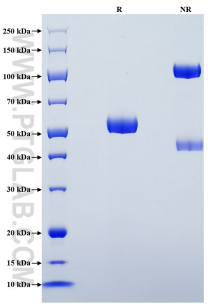
References

1.Ebnet K, et al. (2004) J Cell Sci.1;117(Pt 1):19-29.
2.Garrido-Urbani S, et al. (2014) Cell Tissue Res. 355(3):701-15.
3.Santoso S, et al. (2003) J Exp Med.196(5):679-91.

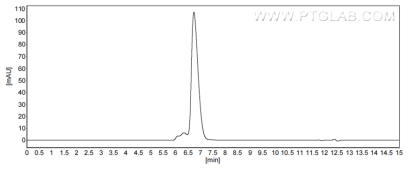
Synonyms

JAM-2, Jam3, JAM-C, Junctional adhesion molecule 3, Junctional adhesion molecule C

Selected Validation Data



Purity of Recombinant Mouse JAM-3 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-3 was greater than 90% as determined by SEC-HPLC.