

For Research Use Only

Recombinant Mouse CD5L protein (rFc Tag) (HPLC verified)



Catalog Number: Eg2786

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 CD5L protein Glu22-Val352 (Accession# Q9QWK4) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
11801

Accession:
Q9QWK4

Predicted Molecular Mass:
62.6 kDa

SDS-PAGE:
70-85 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

CD5-like (CD5L) is a 40-kDa soluble glycoprotein that belongs to the SRCR superfamily. CD5L is secreted primarily from macrophages in lymphoid tissues during inflammatory response. CD5L modulates the activity of macrophages in a wide spectrum of settings, including the pathogenesis of several infectious and inflammatory processes. CD5L plays important roles in many diseases, such as metabolic syndrome, acute kidney injury as well as cardiac rejection.

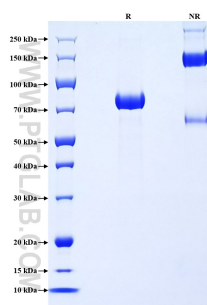
References

- 1.Sanjurjo L. et al. (2018) Front Immunol. 9:480.
- 2.Sanchez-Moral L. et al. (2023) EBioMedicine. 91:104555.
- 3.LaFargue CJ. et al. (2023) Nat Commun. 14(1):2407.
- 4.Oskam N. et al. (2023) Proc Natl Acad Sci U S A. 120(50):e2311265120.
- 5.Yang H. et al. (2024) Autoimmunity. 57(1):2201412.

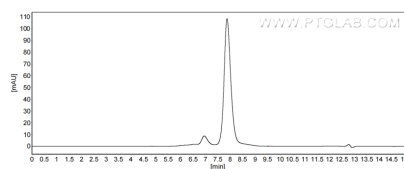
Synonyms

Aim, Api6, Apoptosis inhibitor expressed by macrophages, Apoptosis inhibitory 6, CD5 antigen-like

Selected Validation Data



Purity of Recombinant Mouse CD5L 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 CD5L was greater than 90% as determined by SEC-HPLC.

For technical support and original validation data for this product please contact

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