For Research Use Only

Recombinant Rat CD5 protein (rFc Tag)

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Catalog Number: Eg9782

Basic Information

Species:
Rat

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 Rat CD5 protein Ser25-Pro368 (Accession# P51882) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
54236

Accession:
P51882

Predicted Molecular Mass:
62.9 kDa

SDS-PAGE:
70-87 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

CD5 is a type I transmembrane glycoprotein of the scavenger receptor cysteine-rich family. CD5 is expressed on a majority of thymocytes, mature T cells, B cell subsets, and peripheral blood dendritic cells. CD5 may act as a receptor in regulating T-cell proliferation. It functions as a negative regulator of TCR signaling during thymocyte development.

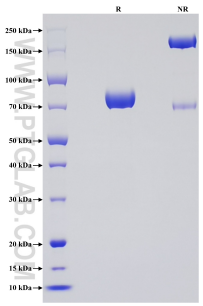
References

1. Raman, Chander. Immunol Res. vol. 26,1-3 (2002): 255-63.
2. Tarakhovsky, A et al. Science. vol. 269,5223 (1995): 535-7.
3. Youinou, P et al. Immunol today vol. 20,7 (1999): 312-6.

Synonyms

T-cell surface glycoprotein CD5

Selected Validation Data



Purity of Recombinant Rat CD5 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.