For Research Use Only

Recombinant Mouse CD5 protein (His Tag)

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Catalog Number: Eg0899

Basic Information

Species: Mouse

Purity: >90 %, SDS-PAGE

Tag: His Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<0.1 EU/ μ g protein, LAL method

Source:
HEK293-derived Mouse CD5 protein Gln24-Asn370 (Accession# P13379) with a His tag at the C-terminus.

GeneID:
12507

Accession:
P13379

Predicted Molecular Mass:
38.9 kDa

SDS-PAGE:
45-55 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 μ m 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.

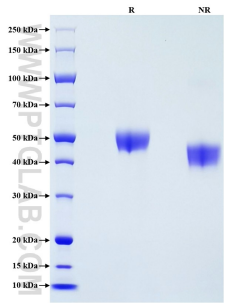
References

1. J A Ledbetter, et al. (1980) J Exp Med. 152(2):280-95.
2. G S Wood, et al. (1992) Am J Pathol. 141(4):789-95.
3. A Tarakhovsky, et al. (1995) Science. 269(5223):535-7.
4. H S Azzam, et al. (1998) J Exp Med. 188(12):2301-11.
5. P Youinou, et al. (1999) Immunol Today. 20(7):312-6.
6. Chander Raman, et al. (2002) Immunol Res. 26(1-3):255-63.

Synonyms

CD5 antigen, Ly 1, Ly 12, Ly A, Lyt 1

Selected Validation Data



Purity of Recombinant Mouse 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.