

For Research Use Only

Recombinant Human CD24 protein (rFc Tag)(HPLC verified)



Catalog Number: Eg1779

Basic Information

Species:
Human

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 Human CD24 protein Ser27-Gly59 (Accession# P25063-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
100133941

Accession:
P25063-1

Predicted Molecular Mass:
29.4 kDa

SDS-PAGE:
38-50 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

CD24 (known as heat stable antigen) is a small highly glycosylated GPI-linked sialoprotein. It is normally expressed at the surface of most B lymphocytes and differentiating neuroblasts, and it is also up-regulated in a wide variety of cancers. Studies have shown that CD24 functions in the regulation of B-cell apoptosis, leukocyte signal transduction, and leukocyte adhesion.

References

1. T Suzuki, et al. (2001). J Immunol. May 1;166(9).
2. Yang Liu, Pan Zheng. (2023). Front Immunol. May 9;14:1174789.
3. Yang-Hong Ni, et al. (2020). Curr Gene Ther. 20(2):109-126.
4. Peter Altevogt, et al. (2021). Int J Cancer. Feb 1;148(3):546-559.

Synonyms

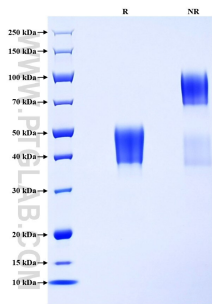
CD24A

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

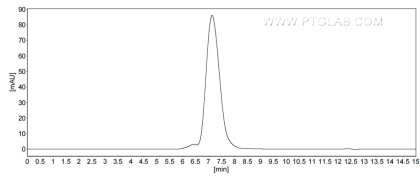
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Selected Validation Data



Purity of Recombinant Human CD24 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 Human CD24 was greater than 90% as determined by SEC-HPLC.