

For Research Use Only

Recombinant Human CD22 protein (Myc Tag, His Tag)



Catalog Number: Eg0200

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
Myc Tag, His Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ µg protein, LAL method

Source:

HEK293-derived Human CD22 protein Asp20-Arg687 (Accession# P20273-1) with a Myc tag and a His tag at the C-terminus.

GeneID:

933

Accession:

P20273-1

Predicted Molecular Mass:

80.1 kDa

SDS-PAGE:

90-120 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

CD22, also known as Siglec-2 (sialic acid binding Ig-like lectin 2) or BL-CAM (B-lymphocyte cell adhesion molecule), is a 130-140 kDa, B-cell restricted, type I transmembrane glycoprotein belonging to the immunoglobulin gene superfamily. The expression of CD22 is developmentally regulated. It is expressed at low levels in the cytoplasm of pro-B and pre-B cells and present on the cell surface only at mature stages of B-cell differentiation. Cell surface expression is lost during terminal differentiation into plasma cell and after B-cell activation. CD22 is an inhibitory receptor for B-cell receptor (BCR) signalling, preferentially binds to alpha-2,6-linked sialic acid and mediates B-cell B-cell interactions. It plays a crucial role in activation and differentiation of the B-cell.

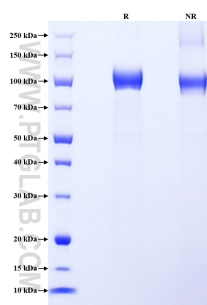
References

1. Clark EA, et al. (1993) J Immunol. 150(11):4715-8.
2. Nitschke L, et al. (1997) Curr Biol. 7(2):133-43.
3. Carnahan J, et al. (2003) Clin Cancer Res. 9(10 Pt 2):3982S-90S.

Synonyms

CD22, B cell receptor CD22, B-cell receptor CD22, BL-CAM, B-lymphocyte cell adhesion molecule

Selected Validation Data



Purity of Recombinant Human CD22 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.

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

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