Human CD22, His Tag, CHO

Catalog Number	LDG184PHM
Package	5 μg / 20 μg / 100 μg / Customized package

For full product information, images and publications, please visit our website.

Specifications

Species of Origin
Human

Expression System
CHO

Affinity Tag
His Tag (C-term)

Storage Buffer
Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.

Purity
>95% as determined by SDS-PAGE analysis.

Molecular weight
The protein has a calculated MW of 75.98 kDa.
The protein migrates as 90-120 kDa under reducing condition (SDS-PAGE analysis).

Activity
Measured by the ability of the immobilized protein to support the adhesion of human red blood cells. The ED50 for this effect is <0.5 μg/mL.

Endotoxin Level
<0.1 EU per 1 μg of the protein by the LAL method.

Form
Lyophilized

Background

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Background

CD22 is a B-cell-specific transmembrane glycoprotein belonging to the sialic acid-binding immunoglobulin-like lectin (Siglec) family. It functions as an inhibitory co-receptor that modulates B-cell receptor signaling, maintaining immune tolerance and preventing overactivation. CD22 is an important biomarker and therapeutic target in B-cell malignancies and autoimmune diseases.

Synonyms

Cluster of Differentiation 22, Siglec-2, B-cell receptor CD22, BL-CAM, B-lymphocyte cell adhesion molecule

Uniprot ID

P20273

Sequence Note

Met1-Arg687

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H_2O to a concentration of 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

Stability & Storage

This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

Image

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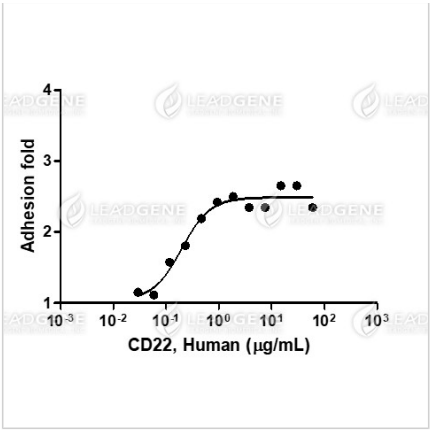
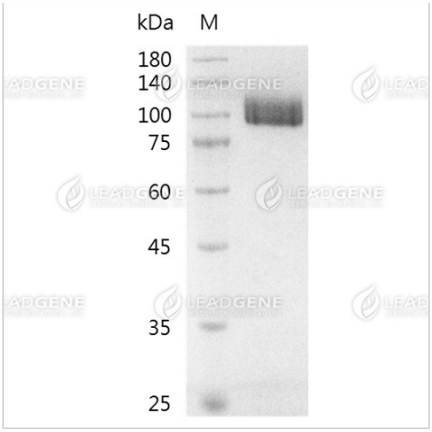


Activity analysis of recombinant Human CD22, His Tag, CHO. Measured by the ability of the immobilized protein to support the adhesion of human red blood cells. The ED50 for this effect is <0.5 μg/mL.



SDS-PAGE analysis of recombinant human CD22 protein.

Disclaimer : For Research Use or Further Manufacturing Only.

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