

Human CD22, His Tag, HEK293

Catalog Number	LDG062PHM
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

Affinity Tag

His Tag (C-term)

Purity

>95% as determined by 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.

Mycoplasma

Not detected.

Expression System

HEK293

Storage Buffer

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

Molecular weight

The protein has a calculated MW of 75.98 kDa. The protein migrates as 90-110 kDa under reducing condition (SDS-PAGE analysis).

Endotoxin Level

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

Form

Lyophilized.

Background

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Background

Human cluster of Differentiation 22 (CD22) is a B cell-specific transmembrane protein that regulates B cell function, including activation and signaling. It serves as an inhibitory receptor, modulating immune responses and maintaining tolerance to prevent autoimmunity.

Uniprot ID

P20273

Synonyms

B-cell receptor CD22, B-lymphocyte cell adhesion molecule, BL-CAM, Sialic acid-binding Ig-like lectin 2, Siglec-2, T-cell surface antigen Leu-14, CD22

Sequence Note

Asp 20 - Arg 687

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Stability & Storage

This product is stable after storage at:

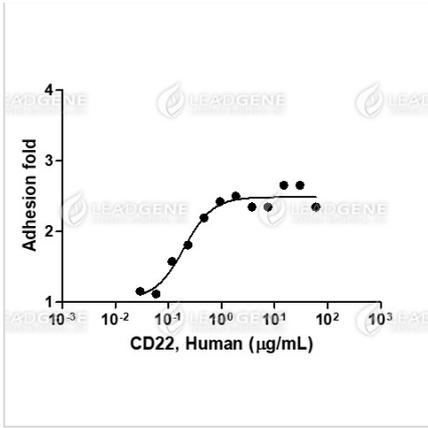
- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

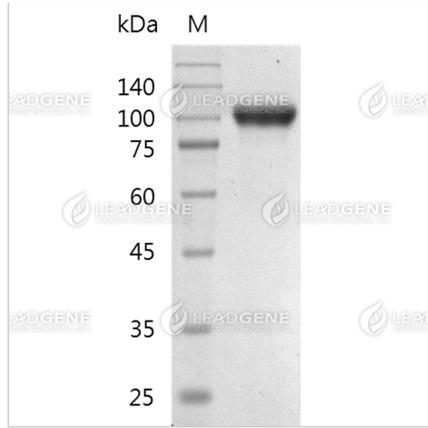
Shipping

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

Image



Activity analysis of recombinant Human CD22, His Tag, HEK293. 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.

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