

Mouse CD19, His Tag, CHO

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|----------------|--|
| Catalog Number | LDG009PMM |
| Package | 5 µg / 20 µg / 100 µg / Customized package |

For full product information, images and publications, please visit [our website](#).



Specifications

Species of Origin

Mouse

Affinity Tag

His Tag (C-term)

Purity

>95% as determined by SDS-PAGE analysis.

Endotoxin Level

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

Form

Lyophilized

Expression System

CHO

Storage Buffer

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

Molecular weight

The protein has a calculated MW of 30.38 kDa.
The protein migrates as 30-42 kDa under reducing condition (SDS-PAGE analysis).

Mycoplasma

Not detected

Background

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Background

CD19 protein, present on the surface of B cells, acts as a key regulator of B cell development and function. It plays a crucial role in B cell receptor (BCR) signaling, promoting B cell activation, proliferation, and differentiation upon antigen recognition. CD19 also enhances B cell responsiveness to co-stimulatory signals from T cells. Due to its selective expression on B cells and absence on other immune cells, CD19 serves as a valuable target for immunotherapy in B cell malignancies such as B cell lymphomas and leukemias. Understanding CD19 biology is essential for developing targeted therapies for B cell-associated disorders.

Uniprot ID

P25918

Synonyms

Differentiation antigen CD19, B-lymphocyte antigen CD19

Sequence Note

Met1-Gly287

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration of 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

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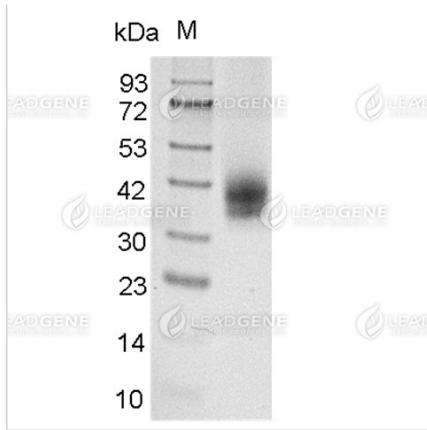
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SDS-PAGE analysis of recombinant mouse CD19.

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