

## Mouse CD19, His Tag, CHO

<b>Catalog Number</b>	LDG009PMM
<b>Package</b>	5 µg / 20 µg / 100 µg / Customized package

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



### Specifications

#### Species of Origin

Mouse

#### Expression system

CHO

#### Affinity Tag

His Tag (C-term)

#### 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 30.38 kDa. The protein migrates as 30-42 kDa under reducing condition (SDS-PAGE analysis).

#### Endotoxin level

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

#### Mycoplasma

Not detected

#### Form

Lyophilized

### 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 H<sub>2</sub>O 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

### Tainan Headquarter

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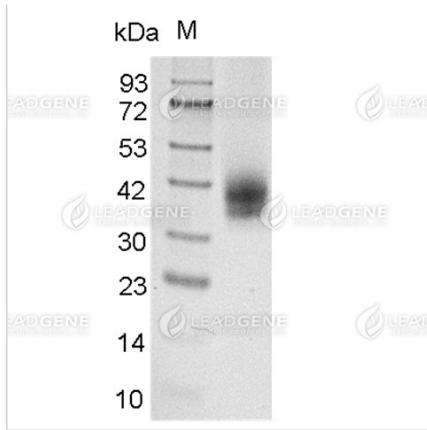
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SDS-PAGE analysis of recombinant mouse CD19.

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