

## Mouse Clec9a, Fc Tag, CHO

**Catalog Number** LDG014PMM

**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

Human IgG1 Fc Tag (N-term)

#### Purity

>75% as determined by SDS-PAGE analysis.

#### Endotoxin Level

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

#### 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 49.7 kDa. The protein migrates as 55-65 kDa under reducing condition (SDS-PAGE analysis).

#### Form

Lyophilized

### Background

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### Background

Clec9a, also known as DNCR-1 (Dendritic Cell Natural Killer lectin Group Receptor-1), is a type II transmembrane protein predominantly expressed on dendritic cells. It serves as a pattern recognition receptor involved in the detection of necrotic cell death. Upon ligand binding, Clec9a triggers dendritic cell activation and antigen presentation, promoting immune responses against pathogens and cancer. Its specificity for necrotic cells distinguishes it from other receptors involved in immune surveillance. Harnessing Clec9a's targeting abilities shows potential for developing vaccines and immunotherapies against infectious diseases and cancer, highlighting its significance in immune regulation and therapeutic development.

### Uniprot ID

NP\_001192292.1

### Synonyms

C-type lectin domain family 9 member A, Dendritic cell natural killer lectin group receptor 1, CD370, Dngr-1

### Sequence Note

Lys57-Ile264

## Instruction

### Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H<sub>2</sub>O to a concentration not less than 0.2 mg/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.

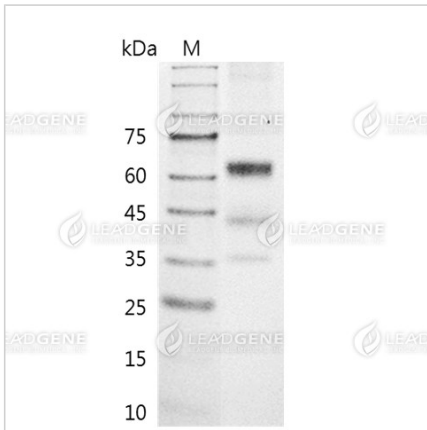
### Stability & Storage

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



SDS-PAGE analysis of recombinant mouse Clec9a.

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