

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

Expression System

CHO

Affinity Tag

Human IgG1 Fc Tag (N-term)

Storage Buffer

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

Purity

>75% as determined by SDS-PAGE analysis.

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).

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

Clec9a, also known as DNGR-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 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:

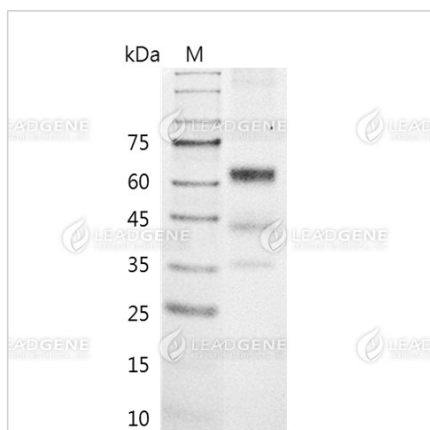
- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

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



SDS-PAGE analysis of recombinant mouse Clec9a.

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