

Mouse CD8 Alpha, His Tag, HEK293

Catalog Number LDG003PMM

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.

Activity

Measured by its ability to support the adhesion of Jurkat human acute T cell leukemia cells, with the ED50 ranging from 0.750 to 5 µg/mL.

Form

Lyophilized

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 19.69 kDa. The protein migrates as 30-35 kDa under reducing condition (SDS-PAGE analysis).

Endotoxin Level

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

Background

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Background

CD8, or cluster of differentiation 8, is a glycoprotein found on the surface of cytotoxic T cells, also known as CD8+ T cells. These cells are a vital component of the immune system, responsible for recognizing and destroying cells infected with viruses, bacteria, or cancerous cells. CD8 binds to major histocompatibility complex class I (MHC-I) molecules presenting antigenic peptides, initiating the activation of cytotoxic T cells. The presence of CD8 on the cell surface serves as a marker for these effector T cells, crucial for mounting an effective immune response against pathogens and tumors.

Uniprot ID

P01731

Synonyms

CD8a,T-cell surface glycoprotein Lyt-2

Sequence Note

Met1-Tyr196

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H₂O 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.

Stability & Storage

This product is stable after storage at:

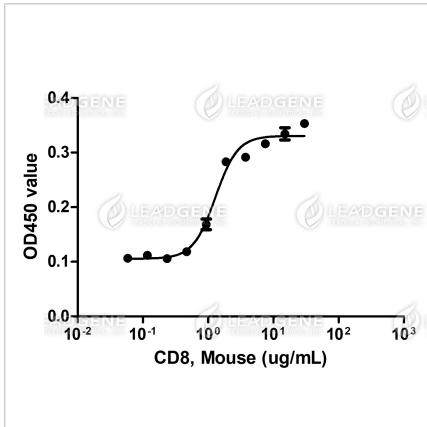
- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

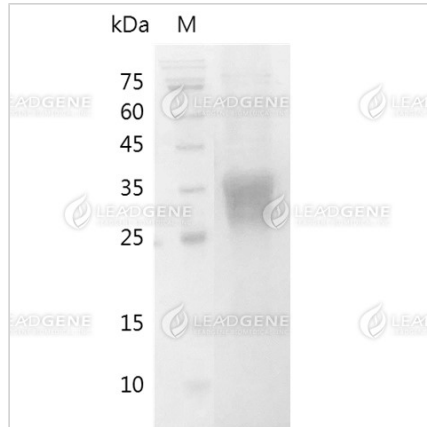
Shipping

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

Image



Mouse CD8 Alpha, His Tag, HEK293 (LDG003PMM) supports the adhesion of Jurkat human acute T cell leukemia cells, with the ED50 ranging from 0.750 to 5 µg/mL.



SDS-PAGE analysis of recombinant mouse CD8 alpha.

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