

Mouse CD83, His Tag, CHO

Catalog Number	LDG012PMM
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 human monocyte-derived dendritic cells, with the ED50 ranging from 1 to 10 µg/mL.

Form

Lyophilized

Expression system

CHO

Buffer

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

Molecular weight

The protein has a calculated MW of 13.11 kDa. The protein migrates as 25-40 kDa under reducing condition (SDS-PAGE analysis).

Endotoxin level

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

Background

Tainan Headquarter

+886-6-2536677

bd@leadgene.com.tw

Innovation & Research Center

+886-2-27065528

CLD Center

+886-6-2536677

Background

CD83, a transmembrane protein primarily found on the surface of mature dendritic cells, is a key regulator of immune responses. It plays a critical role in modulating T cell activation and tolerance. CD83 expression is upregulated upon dendritic cell maturation and is involved in antigen presentation and T cell priming. Additionally, CD83 can also be found in soluble form, exerting immunoregulatory effects on T cells and other immune cells. Its precise functions in immune regulation are still under investigation, but CD83 is recognized as a potential therapeutic target for immune-related disorders and autoimmune diseases.

Uniprot ID

O88324

Synonyms

CD83 antigen

Sequence Note

Met1-Arg133

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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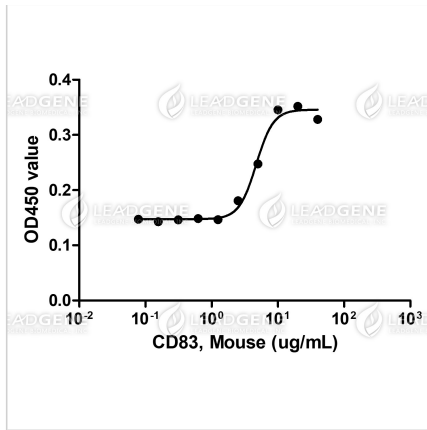
✉ bd@leadgene.com.tw

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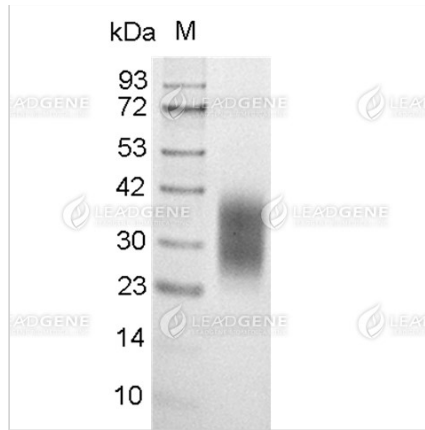
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Mouse CD83, His Tag, CHO (LDG012PMM) supports the adhesion of human monocyte-derived dendritic cells, with the ED50 ranging from 1 to 10 µg/mL.



SDS-PAGE analysis of recombinant mouse CD83.

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