Mouse CTLA-4, His Tag, HEK293

Catalog Number	LDG005PMM
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
HEK293

Affinity Tag
His Tag (C-term)

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

Purity
>90% as determined by SDS-PAGE analysis.

Molecular weight
The protein has a calculated MW of 14.62 kDa.
The protein migrates as 20-25 kDa under reducing condition (SDS-PAGE analysis).

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

Form
Lyophilized

Background

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Background

CTLA-4 is a protein belonging to the immunoglobulin superfamily and the CD28 receptor family. It interacts with CD80 (B7-1) and CD86 (B7-2) to transmit inhibitory signals to T cells, in contrast to CD28, which sends stimulatory signals. This receptor is also found within regulatory T cells, where it plays a vital role in their functions. CTLA-4 is a key regulator of T cell activation, making it an appealing candidate for autoimmune disease therapy and cancer immunotherapy. Recent evidence further highlights its importance in the function and balance of regulatory T cells (Treg).

Synonyms

Cytotoxic T-lymphocyte-associated antigen 4, CD152

Uniprot ID

NP_033973

Sequence Note

Met1-Phe162

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H_2O to a concentration of 200 µg/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

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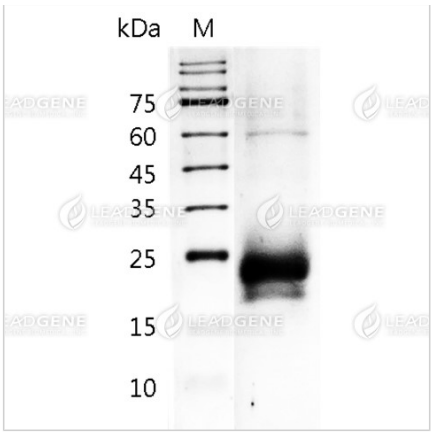

SDS-PAGE analysis of recombinant mouse CTLA-4 protein.

Disclaimer : For Research Use or Further Manufacturing Only.

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