

Mouse TNFR-2, His Tag, CHO

Catalog Number	LDG016PMM
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

His Tag (C-term)

Buffer

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

Purity

>95% as determined by SDS-PAGE analysis.

Molecular weight

The protein has a calculated MW of 26.14 kDa.
The protein migrates as 35-50 kDa under reducing condition (SDS-PAGE analysis).

Activity

Measured by its ability to inhibit TNF-alpha mediated cytotoxicity in L-929 mouse fibroblast cells in the presence of actinomycin D and 0.25 ng/mL recombinant mouse TNF-alpha, with the ED50 being < 0.8 µg/mL

Endotoxin level

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

Form

Lyophilized

Background

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Background

TNFR-2, or Tumor Necrosis Factor Receptor 2, is a transmembrane protein found on the surface of various cell types, including immune cells and endothelial cells. It serves as a receptor for Tumor Necrosis Factor-alpha (TNF-alpha), a cytokine involved in inflammation and immune regulation. TNFR-2 signaling modulates cell survival, proliferation, and immune responses, playing a critical role in tissue homeostasis and host defense. Dysregulation of TNFR-2 has been implicated in autoimmune diseases, inflammatory disorders, and cancer. Understanding the molecular mechanisms underlying TNFR-2 signaling is essential for developing targeted therapies to modulate immune responses and treat associated diseases.

Uniprot ID

P25119

Synonyms

Tumor necrosis factor receptor 2 (TNF-R2), Tumor necrosis factor receptor type II (TNF-RII; TNFR-II), p75, p80 TNF-alpha receptor, CD120b

Sequence Note

Met1-Gly258

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

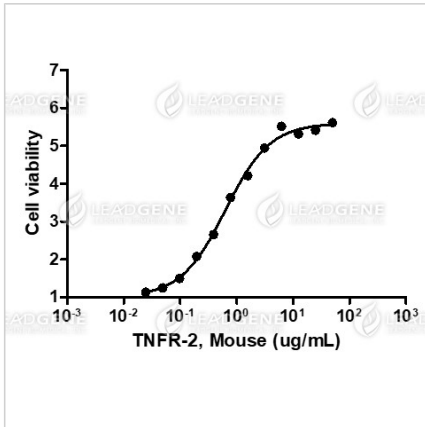
This product is stable after storage at:

- -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.

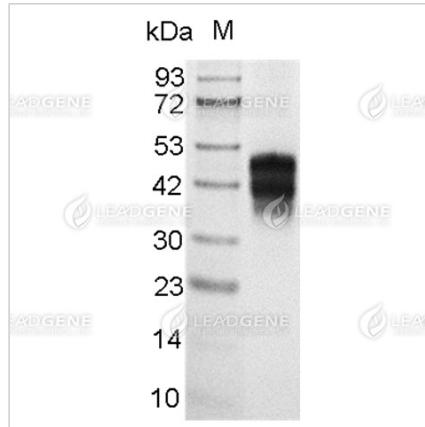
Avoid repeated freeze/thaw cycles.

Shipping

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

Image


Mouse TNFR-2 Protein, His Tag, CHO (LDG016PMM) inhibits TNF-alpha mediated cytotoxicity in L-929 mouse fibroblast cells in the presence of actinomycin D and 0.25 ng/mL recombinant mouse TNF-alpha, with the ED₅₀ being < 0.8 µg/mL



SDS-PAGE analysis of recombinant mouse TNFR-2.

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