重组小鼠肿瘤坏死因子α(TNF-α)

ETNF-α,Tumor Necrosis Factor Alpha,Mouse,Recombinant

Cat. No.: MA1364-1 Size: 10μg

Source: E.coli

Description: Recombinant Mouse Tumor Necrosis Factor Alpha is produced by our E.coli expression system and the target gene encoding Asp89-Leu235 is expressed.

Accession: P06804

Known As: Tumor Necrosis Factor; Cachectin; TNF-Alpha; Tumor Necrosis Factor Ligand Superfamily Member 2; TNF-a; Tumor Necrosis Factor; Membrane Form; Tumor Necrosis Factor; Soluble Form; Tnf; Tnfa; Tnfsf2

Predicted Mol Mass: 16.4 KDa

Apparent Mol Mass: 14 KDa, reducing conditions

Endotoxin: < 0.01 EU/μg as determined by LAL test.

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

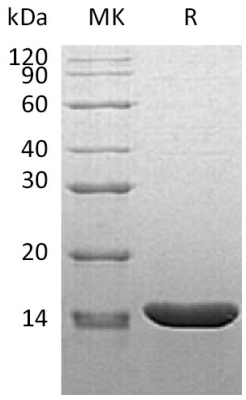
Reconstitution:
Always centrifuge tubes before opening.Do not mix by vortex or pipetting.
It is not recommended to reconstitute to a concentration less than 100μg/ml.
Dissolve the lyophilized protein in distilled water.
Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Shipping:
The product is shipped at ambient temperature.
Upon receipt, store it immediately at the temperature listed below.

Storage:
Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt.
Reconstituted protein solution can be stored at 2-8°C for 2-7 days.
Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.

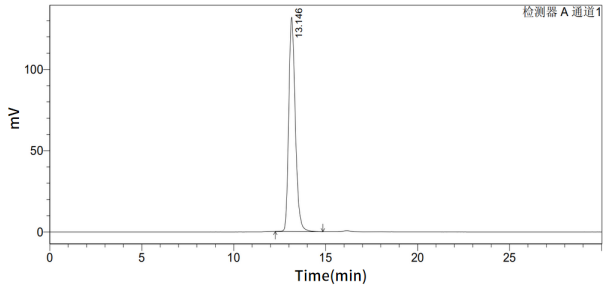
Background: Tumor Necrosis Factor (TNF) is a member of the Tumor Necrosis Factor family. TNF exists as a homotrimer and interacts with SPPL2B. TNF is mainly secreted by macrophages and can induce cell death of certain tumor cell lines. TNF is a key cytokine in the development of several inflammatory disorders. It contributes to the development of type 2 diabetes throught its effects on insulin resistance and fatty acid metabolism.

Purity-SDS-PAGE:



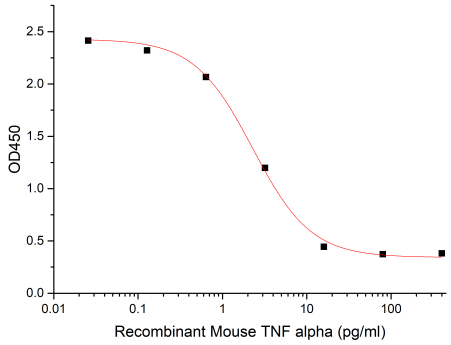
Greater than 95% as determined by reducing SDS-PAGE.

Purity-SEC-HPLC:



Greater than 95% as determined by SEC-HPLC. (QC verified)

Bioactivity-Cell Based Assay:



Measured in a cytotoxicity assay using L-929 mouse fibroblast cells in the presence of the metabolic inhibitor actinomycin D. The ED50 for this effect is 2-8 pg/ml. (QC verified)

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