

Recombinant Human TNF α

Catalog Number: Y04401

Characteristics:

Source	Chinese Hamster Ovary cell line
Description	Human TNF α (Val77-Leu233) Accession # P01375
Predicted molecular mass	17.4 kDa

Specification:

Appearance	White powder, Colorless clear liquid after reconstitution
Purity	$\geq 95\%$, by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)
Endotoxin	≤ 10 EU/mg by the LAL method
Activity	Measured in a cytotoxicity assay using L-929 mouse fibroblast cells in the presence of the metabolic inhibitor actinomycin D. The ED ₅₀ for this effect is 5-60 pg/mL.
Formulation	Lyophilized from a 0.22 μ m-filtered solution containing PBS, 5% mannitol and 0.01% Tween 80, pH 7.4
Size	50 μ g/vial, 1 mg/vial

Handling and Storage:

It is recommended to redissolve in sterile deionized water.

Reconstitution

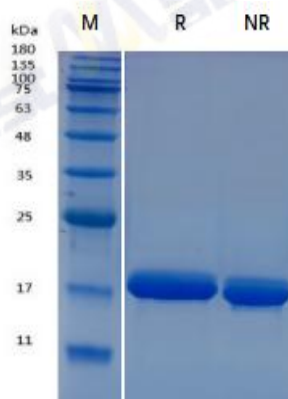
Shipping

The product is shipped with blue ice.

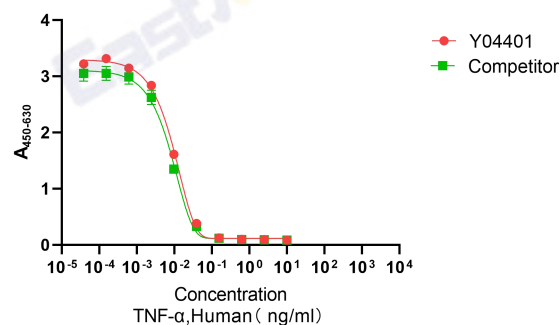
Storage & Stability

36 months at -20°C to -80°C in lyophilized state
6 months at -20°C to -80°C under sterile conditions after reconstitution
7-10 days at 2°C to 8°C under sterile conditions after reconstitution

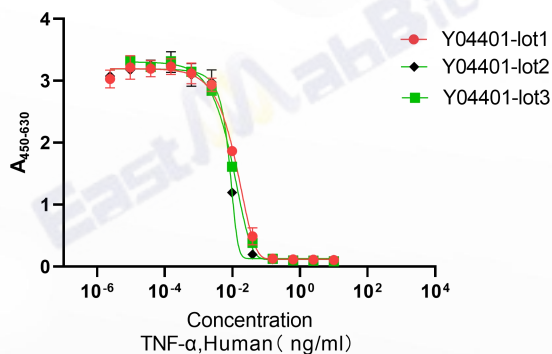
Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

Data:**SDS-PAGE**

Recombinant Human TNF α (Cat. No. Y04401) SDS-PAGE under reducing (R) & Non-reducing conditions. The gel was stained with Y04401 SDS-PAGE.

Bioactivity

Recombinant Human TNF α (Cat. No. Y04401) 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 5-60 pg/mL. The activity of Y04401 was equivalent to other competing products.

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SEC-HPLC