Recombinant Human TNFα

Catalog Number: OM643779

Characteristics:

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

Specification:

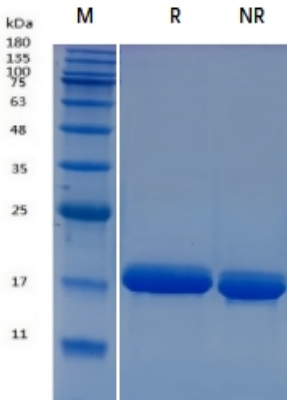
Appearance	White powder, Colorless clear liquid after reconstitution
Purity	≥95%, by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)
Endotoxin	≤10 EU/mg by the LAL method
Activity	Measured in a cytotoxicity assay using L-929 mouse fibroblast cells in the presence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

Handling and Storage:

Reconstitution	It is recommended to redissolve in sterile deionized water.
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.**

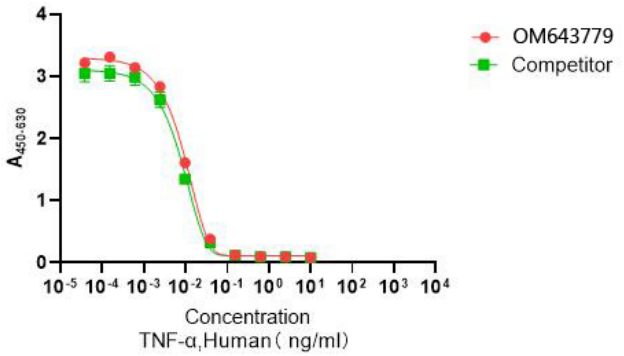
Data:

SDS-PAGE



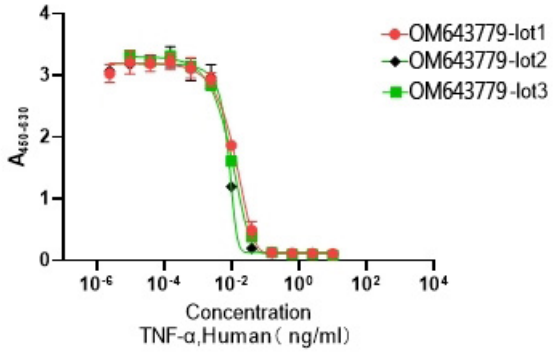
Recombinant Human TNFα (Cat. No. OM643779) SDS-PAGE under reducing (R) & Non-reducing conditions. The gel was stained with OM643779 SDS-PAGE.

Bioactivity



Recombinant Human TNFα (Cat. No. OM643779) 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. The activity of OM643779 was equivalent to other competing products.

Bioactivity



Measured in a cytotoxicity assay using L-929 mouse fibroblast cells in the presence of the metabolic inhibitor actinomycin D.

SEC-HPLC

