

Recombinant Human IL-4

Catalog Number: OM643760

Characteristics:

Source	Chinese Hamster Ovary cell line
Description	Human Interleukin-4 (His25-Ser153) Accession # P05112
Predicted molecular mass	15 kDa

Specification:

Appearance	White powder, Colorless clear liquid after reconstitution
Purity	≥95%, by SDS-PAGE (under reducing (R) condition, visualized by Coomassie staining)
Endotoxin	≤10 EU/mg by the LAL method
Activity	Measured in a cell proliferation assay using TF-1 cells, The ED ₅₀ for this effect is ≤ 0.2 ng/mL, corresponding to a specific activity of > 1x 10 ⁷ units/mg.
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:

It is recommended to redissolve in sterile deionized water.

Reconstitution

Shipping

The product is shipped with blue ice.

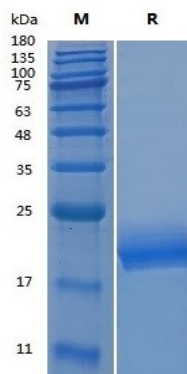
Storage & Stability

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.

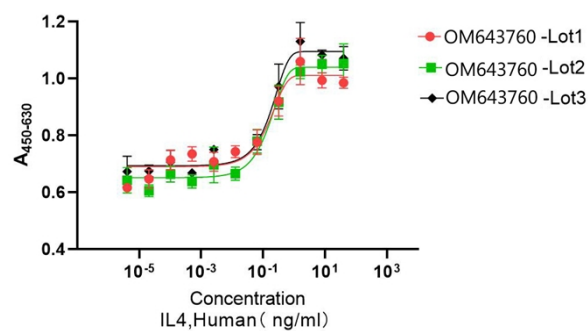
Data:

SDS-PAGE



Recombinant Human IL-4 (Cat. No. OM643760) SDS-PAGE under reducing (R) condition. The gel was stained with OM643760 SDS-PAGE.

Bioactivity



Highly consistent bioactivity between different production batches of Recombinant Human IL-4 (Cat. No. OM643760). OM643760 stimulates proliferation of TF-1 cells. The ED₅₀ for this effect is ≤0.2 ng/mL.