

## Recombinant Human IL-4

Cat. No.:MGC040 size : 10 $\mu$ g / 50 $\mu$ g / 1mg

### Characteristics:

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

### Specification:

<b>Appearance</b>	White powder, Colorless clear liquid after reconstitution
<b>Purity</b>	$\geq$ 95%, by SDS-PAGE (under reducing (R) condition, visualized by Coomassie staining)
<b>Endotoxin</b>	$\leq$ 0.01EU/ $\mu$ g by the LAL method
<b>Activity</b>	Measured in a cell proliferation assay using TF-1 cells, The ED <sub>50</sub> for this effect is $\leq$ 0.2 ng/mL, corresponding to a specific activity of $> 1 \times 10^7$ units/mg.
<b>Formulation</b>	Lyophilized from a 0.22 $\mu$ m-filtered solution containing PBS, 5% mannitol and 0.01% Tween 80, pH 7.4

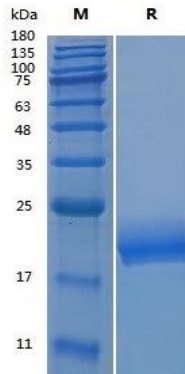
### Handling and Storage:

<b>Reconstitution</b>	It is recommended to redissolve in sterile deionized water.
<b>Shipping</b>	Wet ice (seasonal)
<b>Storage &amp; Stability</b>	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.**

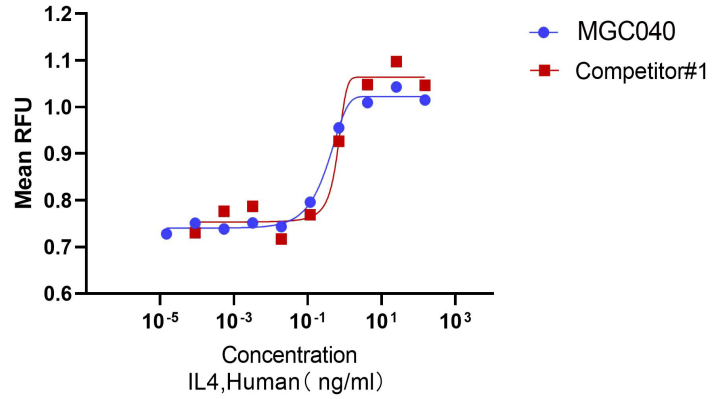
**Data:**

**SDS-PAGE**



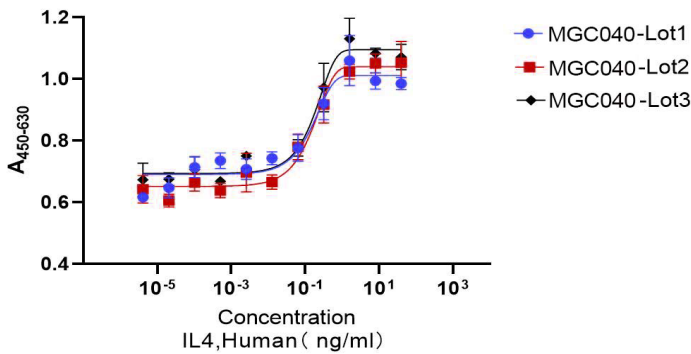
Recombinant Human IL-4 (Cat. No. MGC040) SDS-PAGE under reducing (R) condition. The gel was stained with MGC040 SDS-PAGE.

**Bioactivity**



Measured in a cell proliferation assay using TF-1 cells.

**Bioactivity**



Highly consistent bioactivity between different production batches of Recombinant Human IL-4 (Cat. No. MGC040). MGC040 stimulates proliferation of TF-1 cells. The ED<sub>50</sub> for this effect is ≤0.2 ng/mL.