

## Recombinant Human IL-2

Cat. No.:MGC038 size : 10 $\mu$ g / 100 $\mu$ g / 1mg

### Characteristics:

|                                 |  |
|---------------------------------|--|
| <b>Source</b>                   | Chinese Hamster Ovary cell line                            |
| <b>Description</b>              | Human Interleukin-2 (Ala21-Thr153)<br>Accession # P60568-1 |
| <b>Predicted molecular mass</b> | 15.4 kDa   |

### Specification:

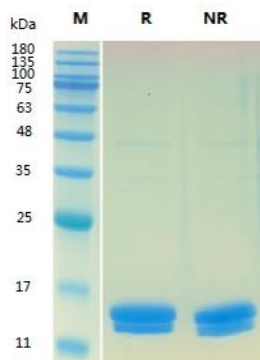
|                    |   |
|--------------------|---|
| <b>Appearance</b>  | White powder, Colorless clear liquid after reconstitution   |
| <b>Purity</b>      | $\geq 95\%$ , by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)      |
| <b>Endotoxin</b>   | $\leq 0.001\text{EU}/\mu\text{g}$ by the LAL method   |
| <b>Activity</b>    | $\geq 1 \times 10^7$ IU/mg. Measured in a cell proliferation assay using CTLL-2 mouse cytotoxic T cells         |
| <b>Formulation</b> | Lyophilized from a 0.22 $\mu\text{m}$ -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 $-20^{\circ}\text{C}$ to $-80^{\circ}\text{C}$ in lyophilized state<br>6 months at $-20^{\circ}\text{C}$ to $-80^{\circ}\text{C}$ under sterile conditions after reconstitution<br>7-10 days at $2^{\circ}\text{C}$ to $8^{\circ}\text{C}$ under sterile conditions after reconstitution<br><b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> |

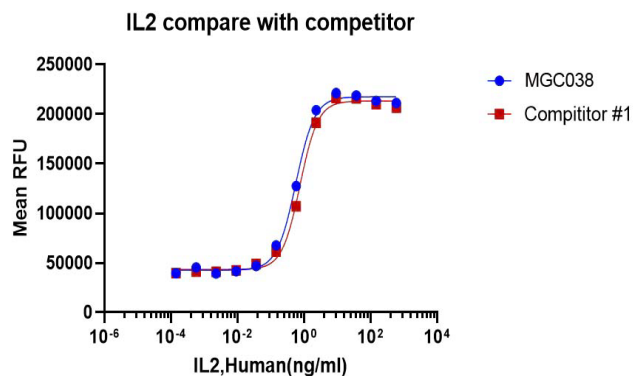
**Data:**

**SDS-PAGE**



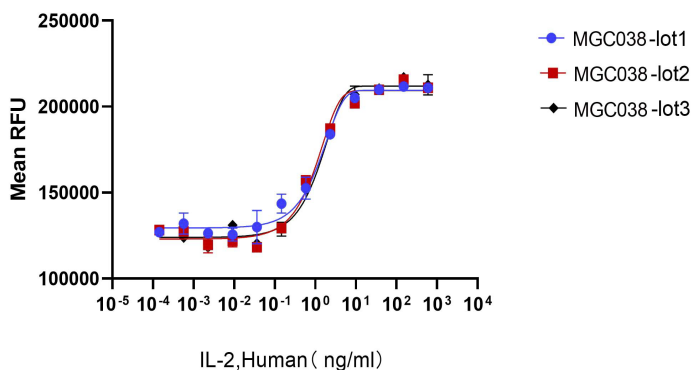
Recombinant Human IL-2 (Cat. No. MGC038) SDS-PAGE under reducing (R) & Non-reducing conditions. The gel was stained with MGC038 SDS-PAGE.

**Bioactivity**



Recombinant Human IL-2 (Cat. No. MGC038) stimulates proliferation of CTLL-2 cells. The specific activity of MGC038 is  $\geq 1 \times 10^7$  IU/mg.

**Bioactivity**



Highly consistent bioactivity between different production batches of Recombinant Human IL-2 (Cat. No. MGC038).

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