

# Recombinant Human IL-12

**Catalog Number: OM643776**

## Characteristics:

|                                 |  |
|---------------------------------|--|
| <b>Source</b>                   | Chinese Hamster Ovary cell line  |
| <b>Description</b>              | Recombinant human IL-12 is composed of P40(Ile23-Ser328) and P35(Arg23-Ser219) subunits, which linked by GS-linker (GSGSSRGGSGSGSGGGGSK)<br>Accession # P29460(IL12P40), P29459(IL12P35) |
| <b>Predicted molecular mass</b> | 59 kDa   |

## Specification:

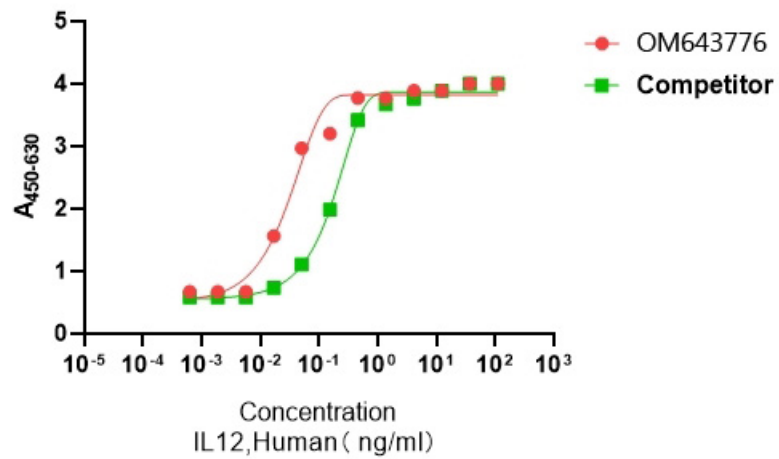
|                           |  |
|---------------------------|--|
| <b>Appearance</b>         | White powder, Colorless clear liquid after reconstitution  |
| <b>Purity</b>             | ≥95%, by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)   |
| <b>Endotoxin Activity</b> | ≤10 EU/mg by the LAL method<br>Measured by its ability to induce Interferon gamma secretion by human natural killer lymphoma NK-92 cells. The ED <sub>50</sub> for this effect is < 0.5 ng/mL. |
| <b>Formulation</b>        | Lyophilized from a 0.22 µm-filtered solution containing PBS, 5% mannitol and 0.01% Tween 80, pH 7.4  |
| <b>Size</b>               | 50 µg/vial, 1 mg/vial  |

## Handling and Storage:

|                                |   |
|--------------------------------|---|
| <b>Reconstitution</b>          | It is recommended to redissolve in sterile deionized water.   |
| <b>Shipping</b>                | The product is shipped with blue ice.   |
| <b>Storage &amp; Stability</b> | 36 months at -20°C to -80°C in lyophilized state<br>6 months at -20°C to -80°C under sterile conditions after reconstitution<br>7-10 days at 2°C to 8°C under sterile conditions after reconstitution<br><b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> |

## Data:

### Bioactivity



Measured by its ability to induce Interferon gamma secretion by human natural killer lymphoma NK-92 cells. The ED<sub>50</sub> for this effect is < 0.5 ng/mL. The activity of OM643776 was higher than other competing products