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# Recombinant Human IL-4

Catalog Number : mly02201

## Characteristics:

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

## Specification:

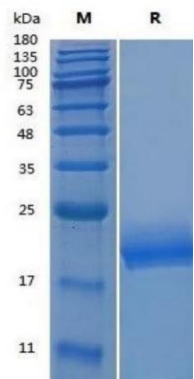
Appearance	White powder, Colorless clear liquid after reconstitution
Purity	≥95%, by SDS-PAGE (under reducing (R) condition, visualized by Coomassie staining)
Endotoxin	≤10 EU/mg by the LAL method
Activity	Measured in a cell proliferation assay using TF-1 cells, The ED <sub>50</sub> for this effect is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

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.

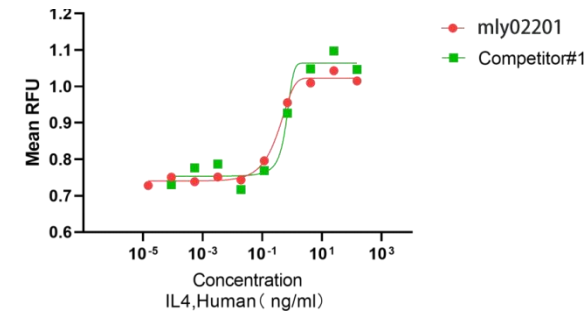
Data:

SDS-PAGE



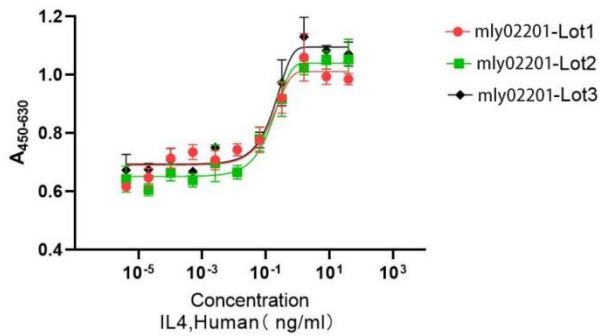
Recombinant Human IL-4 (Cat. No. mly02201) SDS-PAGE under reducing (R) condition. The gel was stained with mly02201 SDS-PAGE.

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. mly02201). mly02201 stimulates proliferation of TF-1 cells. The  $ED_{50}$  for this effect is  $\leq 0.2$  ng/mL.