
Recombinant Human EPO

Catalog Number : mly05801

Characteristics:

Source Chinese Hamster Ovary cell line

Description Human EPO (Ala28-Arg193)
Accession # P01588

Predicted molecular mass 18.3 kDa

Specification:

Appearance White powder, Colorless clear liquid after reconstitution

Purity $\geq 95\%$, by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)

Endotoxin ≤ 10 EU/mg by the LAL method

Activity Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED_{50} for this effect is ≤ 0.1 ng/mL, corresponding to a specific activity of $\geq 1.5 \times 10^5$ IU/mg.

Formulation Lyophilized from a $0.22 \mu\text{m}$ -filtered solution containing PBS, 5% mannitol and 0.01% Tween 80, pH 7.4

Size 10 $\mu\text{g/vial}$, 50 $\mu\text{g/vial}$, 1 mg/vial

Handling and Storage:

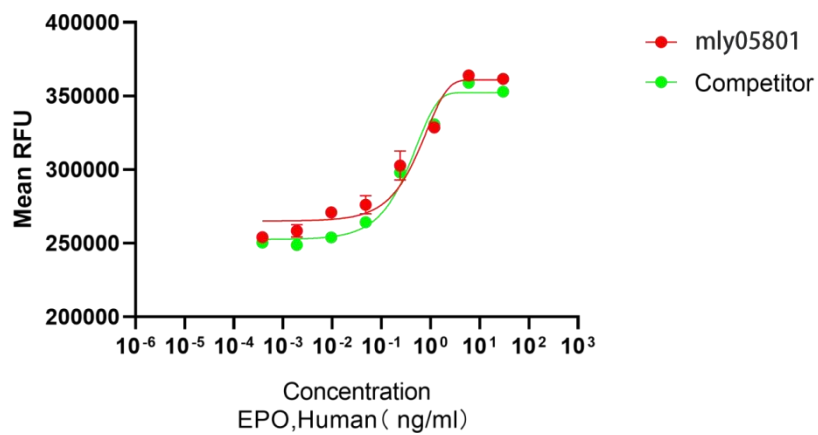
Reconstitution It is recommended to redissolve in sterile deionized water.

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:

Bioactivity



Recombinant Human EPO (Cat. No.mly05801) stimulates proliferation of TF-1 human erythroleukemic cells. The ED50 for this effect is ≤ 0.1 ng/mL.