

Recombinant Human EPO

Catalog Number: Y05801

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	≥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 ≥ 1.5 × 10 ⁵ IU/mg.
Formulation	Lyophilized from a 0.22 μm-filtered solution containing PBS, 5% mannitol and 0.01% Tween 80, pH 7.4
Size	10 μg/vial, 50 μg/vial, 1 mg/vial

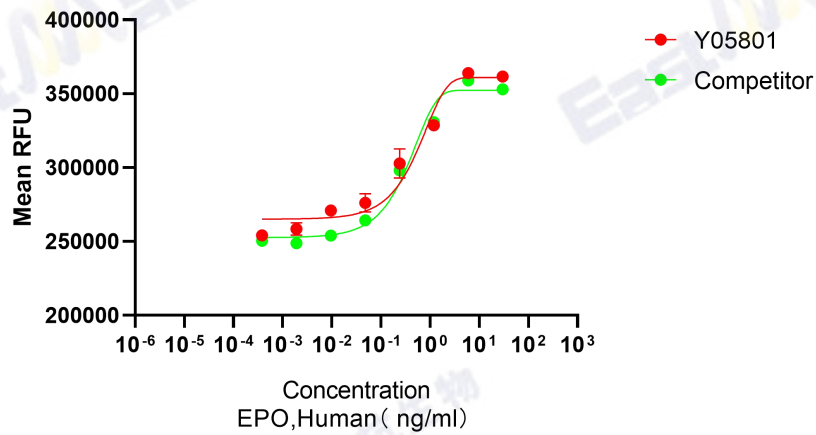
Handling and Storage:

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:

Bioactivity



Recombinant Human EPO (Cat. No. Y05801) stimulates proliferation of TF-1 human erythroleukemic cells. The ED_{50} for this effect is ≤ 0.1 ng/mL.