

## Recombinant Human EPO

Cat. No.:MGC016 size : 10 $\mu$ g / 50 $\mu$ g / 1mg

### 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**  $\leq 0.01$  EU/ $\mu$ g by the LAL method

**Activity** Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED<sub>50</sub> for this effect is  $\leq 0.1$  ng/mL, corresponding to a specific activity of  $\geq 1.5 \times 10^5$  U/mg.

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

### Handling and Storage:

**Reconstitution** It is recommended to redissolve in sterile deionized water.

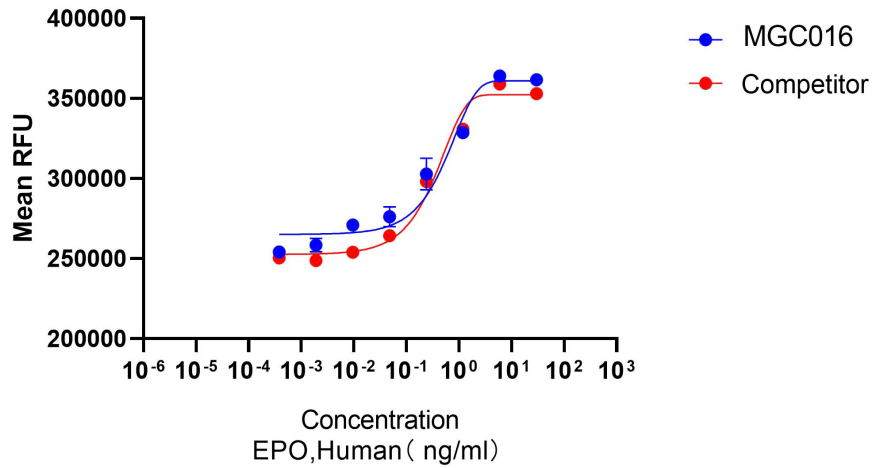
**Shipping** Wet ice (seasonal)

**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.MGC016) stimulates proliferation of TF-1 human erythroleukemic cells.

The ED<sub>50</sub> for this effect is ≤0.1 ng/mL.

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