

HumanKine[®] EPO (Recombinant Human)



| | | | |
|-----------------------|----------------------|----------|----------------|
| Animal Component-Free | Human cell expressed | Tag-Free | Endotoxin Free |
|-----------------------|----------------------|----------|----------------|

Product Description

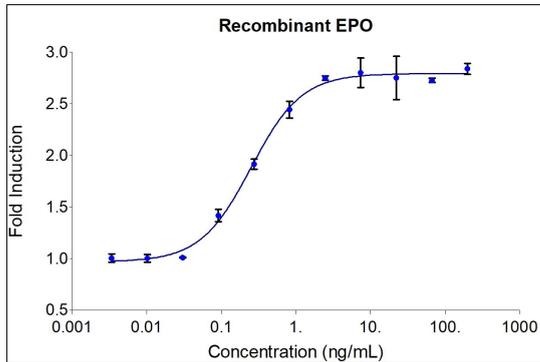
Animal-free Recombinant Human EPO is expressed in human 293 cells in a serum-free, chemically defined media. EPO has more abundant and diverse glycan profiles and exhibits a lower molecular mass and substantially higher content of neutral glycans than the CHO cell produced version. See "EPO Authentic Glycan Structure" article for more information on the comparison of glycan structure.

| | |
|--------------------|---|
| Alternative Names | EP, EPO, Epoetin, erythropoietin, MVCD2 |
| Source | Human Embryonic Kidney cells (HEK293). HEK293-derived EPO protein |
| Species Reactivity | human,mouse |

Specifications

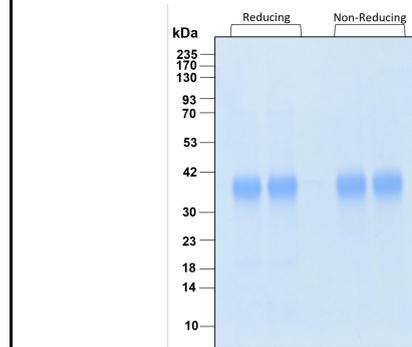
| Test | Method | Specification |
|----------------|---|---|
| Activity | Dose-dependent stimulation of the proliferation of human TF-1 cells (human erythroleukemic indicator cell line) | 0.2-3.0 ng/mL EC50 |
| Molecular Mass | SDS-PAGE | 36 kDa reduced and non-reduced, monomer, glycosylated |
| Purity | SDS-PAGE | >95% |
| Endotoxin | LAL | <1 EU/μg |

Activity Data



Recombinant human EPO (HZ-1168) stimulates dose-dependent proliferation of the TF-1 human erythroleukemic indicator cell line. Cell number was quantitatively assessed by PrestoBlue[®] Cell Viability Reagent. TF-1 cells were treated with increasing concentrations of recombinant EPO for 72 hours. The EC50 was determined using a 4-parameter non-linear

SDS-PAGE



| Preparation | |
|----------------------|---|
| Shipping Temperature | ambient temperature |
| Formulation | 1x PBS, See Certificate of Analysis for details |
| Reconstitution | Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile 1xPBS pH 7.4 containing 0.1% endotoxin-free recombinant human serum albumin (HSA). |

| Stability and Storage | Product Form | Temperature Conditions | Storage Time (From Date of Receipt) |
|------------------------------------|---------------------------|------------------------|-------------------------------------|
| | Lyophilized | -20°C to -80°C | Until Expiry Date |
| | Lyophilized | Room Temperature | 2 weeks |
| | Reconstituted as per CofA | -20°C to -80°C | 6 months |
| | Reconstituted as per CofA | 4°C | 1 week |
| Avoid repeated freeze-thaw cycles. | | | |

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