HUMANZYME
HUMAN PROTEINS FROM HUMAN CELLS

PRODUCT DATA SHEET

Recombinant Human TPO (Thrombopoietin)

Catalog # (Size): **HZ-1248 (10µg)** **HZ-1227 (100µg)** **HZ-1249 (1000µg)**

Product Description

- Endotoxin-free
- Animal-derived product free
- Lyophilized and Carrier Free (CF)
- Authentic Glycosylation
- Available in Bulk

Xeno-free TPO^{HuXp} is expressed from human 293 cells as a monomeric glycoprotein with an apparent molecular mass of 80 to 85 kDa. This cytokine is produced in a serum-free, chemically defined media. Production in human 293 cells offers authentic glycosylation, contributing to stability in cell growth media and other applications. C-terminal domain glycosylation is thought to be important for the secretion of TPO from cells and for survival of TPO in the circulation

Typical Specifications

Species	Human
Expression	HEK293 Cell Expressed
Activity	Typically ≤ 5 ng/mL EC_{50}
Purity	>95%
Endotoxin	<1 EU/µg
Molecular Mass	80 to 85 kDa, monomer, glycosylated
Formulation	1x PBS

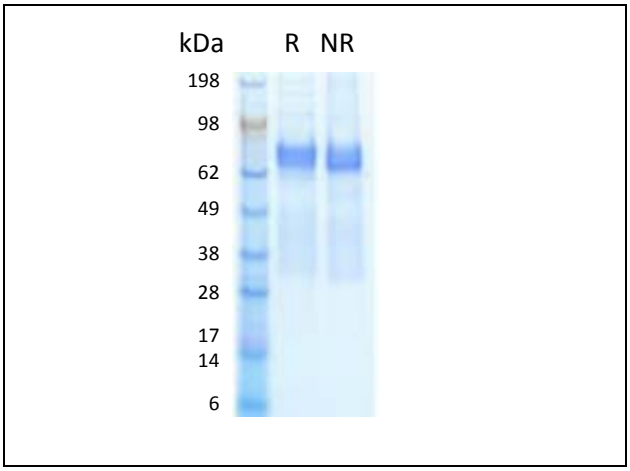
Purity Confirmation

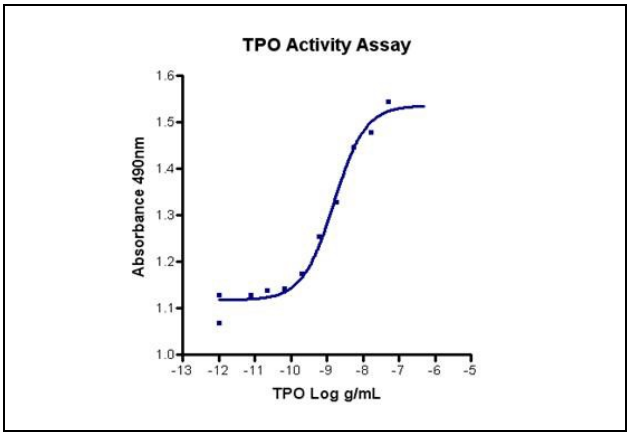
The protein was resolved by SDS-polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue.

Activity Assay

The activity was determined by the dose-dependent stimulation of the proliferation of MO7e cells.

All HumaXpress® HumanKine™ are animal-component-free and Xeno-free™





Reconstitution Buffer

Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile 1x PBS containing 0.1% endotoxin-free recombinant human serum albumin (HSA).

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