

Recombinant Human TPO

Catalog # PBG10456

Specification

Recombinant Human TPO - Product Information

Recombinant Human TPO - Additional Information

Description

TPO is a lineage specific growth factor, produced in the liver, kidney and skeletal muscle. It stimulates the proliferation and maturation of megakaryocytes, and promotes increased circulating levels of platelets in vivo. TPO signals through the c-mpl receptor and acts as an important regulator of circulating platelets. Human and murine TPO exhibits cross-species reactivity. Recombinant human TPO is a fully biologically active 174 amino acid polypeptide (18.6 kDa), which contains the erythropoietin-like domain of the full length TPO protein.

BiologicalActivity

The ED₅₀ as determined by the dose-dependent stimulation of the proliferation of human MO7e cells was found to be ≤ 1.0 ng/ml, corresponding to a specific activity of $\geq 1 \times 10$ ⁶ units/mg.

Authenticity

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

Endotoxin

Endotoxin level is $<0.1 \text{ ng}/\mu\text{g}$ of protein ($<1\text{EU}/\mu\text{g}$).

Protein Content

Verified by UV Spectroscopy and/or SDS-PAGE gel.

Storage

-20°C

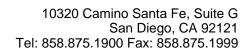
Precautions

Recombinant Human TPO is for research use only and not for use in diagnostic or therapeutic procedures.

Recombinant Human TPO - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety





• <u>Cell Culture</u> **Recombinant Human TPO - Images**