

**Recombinant Human TPO**  
Catalog # PBG10456**Specification**

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**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.

**Biological Activity**

The  $ED_{50}$  as determined by the dose-dependent stimulation of the proliferation of human MO7e cells was found to be  $\leq 1.0$  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  $<0.1$  ng/  $\mu$ g of protein ( $<1$ EU/  $\mu$ 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](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)

- [Cell Culture](#)

## **Recombinant Human TPO - Images**