

Animal-Free Recombinant Murine TPO
Catalog # PBG10555**Specification**

Animal-Free Recombinant Murine TPO - Product Information**Animal-Free Recombinant Murine 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 murine TPO is a fully biologically active 174 amino acid polypeptide (18.7 kDa), which contains the erythropoietin-like domain of the full length TPO protein.

Biological Activity

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 > 1 x 10⁶ units/mg.

Authenticity

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

Endotoxin

Endotoxin level is <0.1 ng/ µg of protein (<1EU/ µg).

Protein Content

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

Storage

-20°C

Precautions

Animal-Free Recombinant Murine TPO is for research use only and not for use in diagnostic or therapeutic procedures.

Animal-Free Recombinant Murine 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](#)

Animal-Free Recombinant Murine TPO - Images