

**Thrombopoietin (TPO) Antibody (N-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP6254a****Specification**

---

**Thrombopoietin (TPO) Antibody (N-term) Blocking peptide - Product Information**Primary Accession [P40225](#)**Thrombopoietin (TPO) Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 7066**Other Names**

Thrombopoietin, C-mpl ligand, ML, Megakaryocyte colony-stimulating factor, Megakaryocyte growth and development factor, MGDF, Myeloproliferative leukemia virus oncogene ligand, THPO, MGDF

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP6254a](/product/products/AP6254a) was selected from the N-term region of human TPO . A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**Thrombopoietin (TPO) Antibody (N-term) Blocking peptide - Protein Information****Name** THPO**Synonyms** MGDF**Function**

Lineage-specific cytokine affecting the proliferation and maturation of megakaryocytes from their committed progenitor cells. It acts at a late stage of megakaryocyte development. It may be the major physiological regulator of circulating platelets.

**Cellular Location**

Secreted.

## **Thrombopoietin (TPO) Antibody (N-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

## **Thrombopoietin (TPO) Antibody (N-term) Blocking peptide - Images**

## **Thrombopoietin (TPO) Antibody (N-term) Blocking peptide - Background**

Megakaryocytopoiesis is the cellular development process that leads to platelet production. TPO is a humoral growth factor that is necessary for megakaryocyte proliferation and maturation, as well as for thrombopoiesis. This protein is the ligand for MLP/C\_MPL, the product of myeloproliferative leukemia virus oncogene.

## **Thrombopoietin (TPO) Antibody (N-term) Blocking peptide - References**

Hirayama, Y., et al., Am. J. Hematol. 73(4):285-289 (2003). Webb, K.E., et al., Exp. Hematol. 31(6):488-494 (2003). Tsao, P.N., et al., Biol. Neonate 82(4):217-221 (2002). Hsu, H.C., et al., Oncology 63(1):64-69 (2002). Holmes, M.L., et al., J. Biol. Chem. 277(50):48333-48341 (2002).