

**Thrombopoietin (TPO) Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP7557c****Specification**

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**Thrombopoietin (TPO) Antibody (Center) Blocking Peptide - Product Information**Primary Accession [P40225](#)**Thrombopoietin (TPO) Antibody (Center) 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 [AP7557c](/products/AP7557c) was selected from the TPO region of human Thrombopoietin (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 (Center) 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 (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **Thrombopoietin (TPO) Antibody (Center) Blocking Peptide - Images**

## **Thrombopoietin (TPO) Antibody (Center) Blocking Peptide - Background**

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

## **Thrombopoietin (TPO) Antibody (Center) Blocking Peptide - References**

Baker,J.E.,Cardiovasc. Res. 77 (1), 44-53 (2008)Steinberg,O.,J. Pediatr. Hematol. Oncol. 29 (12), 822-825 (2007)Kanayasu-Toyoda,T.,J. Biol. Chem. 282 (46), 33507-33514 (2007)