

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

Thrombopoietin (TPO) Antibody (Center) Blocking Peptide - Product InformationPrimary 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)