

Thrombopoietin (TPO) Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP7557b**Specification****Thrombopoietin (TPO) Antibody (C-term) Blocking peptide - Product Information**Primary Accession [P40225](#)**Thrombopoietin (TPO) Antibody (C-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 [AP7557b](#) was selected from the C-term region of human THPO. 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 (C-term) Blocking peptide - Protein Information**Thrombopoietin (TPO) Antibody (C-term) 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 (C-term) 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)

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 (C-term)

Blocking peptide - Protocols

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

- [Blocking Peptides](#)