



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.

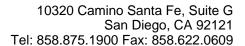
Thrombopoietin (TPO) Antibody (C-term) Blocking peptide - Protein Information

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