

THPO Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1702a**Specification****THPO Antibody - Product Information**

Application	WB, FC, E
Primary Accession	P40225
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Calculated MW	37.8kDa KDa

Description

Megakaryocytopoiesis is the cellular development process that leads to platelet production. The protein encoded by this gene 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. Alternate splicing results in multiple transcript variants of this gene.

Immunogen

Purified recombinant fragment of human THPO expressed in E. Coli.

Formulation

Purified antibody in PBS with 0.05% sodium azide

THPO Antibody - 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

Dilution

WB~~1/500 - 1/2000

FC~~1/200 - 1/400

E~~1/10000

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

THPO Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

THPO Antibody - 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.

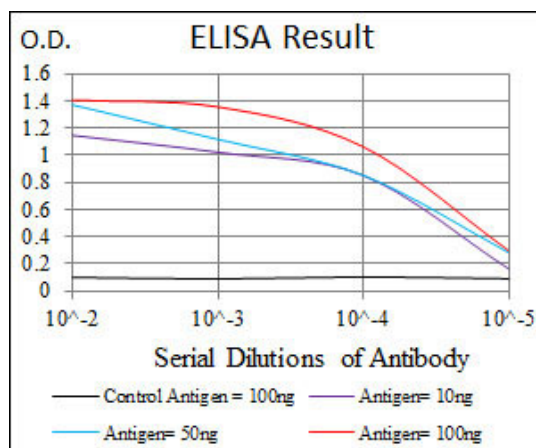
Cellular Location

Secreted

THPO Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)



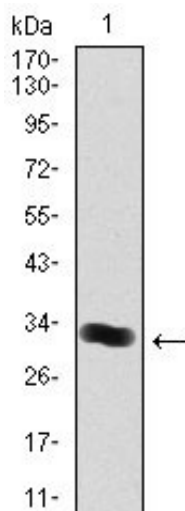


Figure 1: Western blot analysis using THPO mAb against human THPO (AA: 250-303) recombinant protein. (Expected MW is 30 kDa)

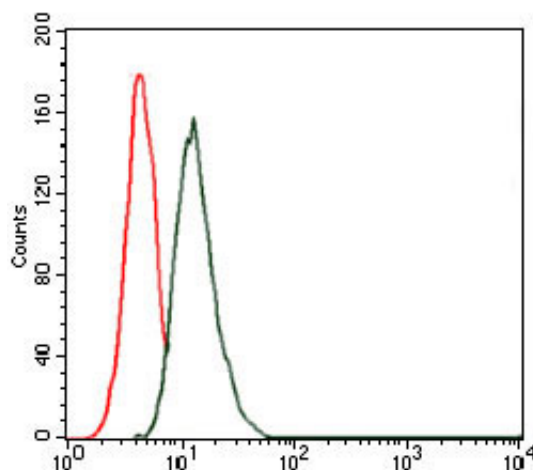


Figure 2: Flow cytometric analysis of MCF-7 cells using THPO mouse mAb (green) and negative control (red).

THPO Antibody - References

Blood. 2009 Aug 20;114(8):1655-7. Epub 2009 Jun 24. Ann Hepatol. 2008 Jul-Sep;7(3):235-44.