10320 Camino Santa Fe, Suite G
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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

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Name THPO

Synonyms MGDF

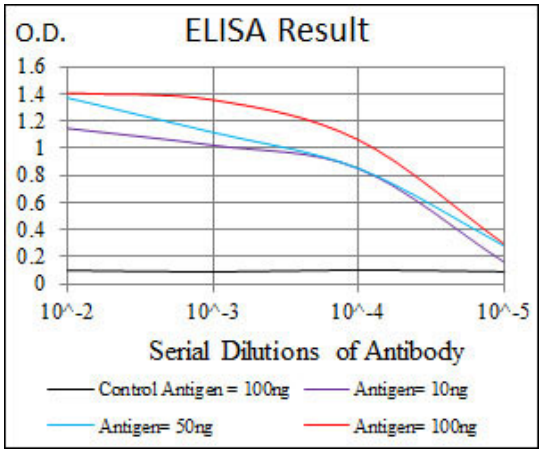
Function
Lineage-specific cytokine affecting the proliferation and maturation of megakaryocytes from their committed progenitor cells. It acts at a late stage of megakaryocyte development. It may be the major physiological regulator of circulating platelets.

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 Cytomety
- Cell Culture



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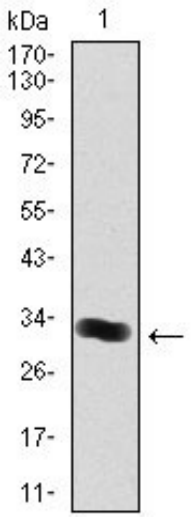

Figure 1: Western blot analysis using THPO mAb against human THPO (AA: 250-303) recombinant protein. (Expected MW is 30 kDa)

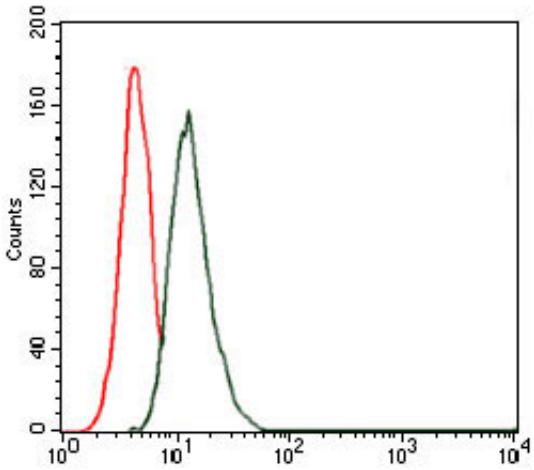

Figure 2: Flow cytometric analysis of MCF-7 cells using THPO mouse mAb (green) and negative control (red).

THPO Antibody - References

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