

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

|                   |                        |
|-------------------|------------------------|
| Application       | E, WB, FC              |
| Primary Accession | <a href="#">P40225</a> |
| 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. <br />

**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**

E~~1/10000  
WB~~1/500 - 1/2000  
FC~~1/200 - 1/400

**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.

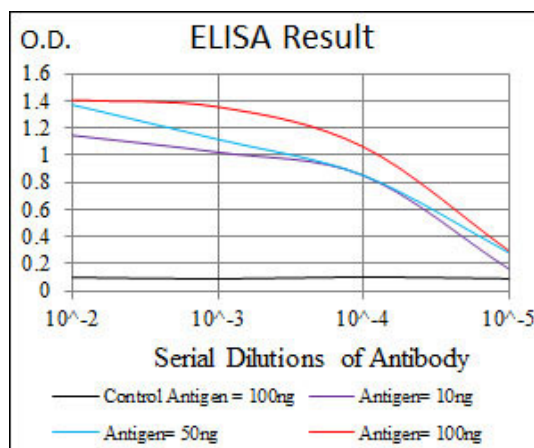
**Cellular Location**

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](#)



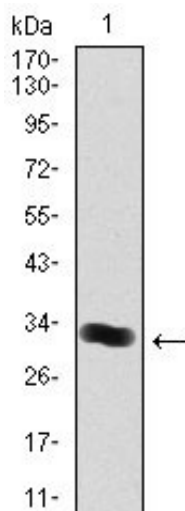


Figure 1: Western blot analysis using THPO mAb against human THPO (AA: 250-303) recombinant protein. (Expected MW is 30 kDa)

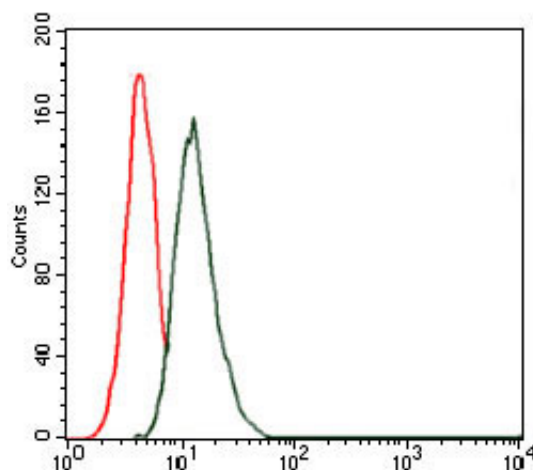


Figure 2: Flow cytometric analysis of MCF-7 cells using THPO mouse mAb (green) and negative control (red).

### THPO Antibody - References

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