10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

THPO Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO1702a

Product Information

Application	WB, FC, E
Primary Accession	P40225
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	1B11
Isotype	IgG2a
Calculated MW	37823
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

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.

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

References

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

Images

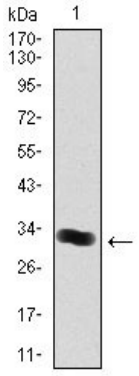


Figure 1: Western blot analysis using THPO mAb against human THPO (AA: 250-303) recombinant protein. (Expected MW is 30 kDa)

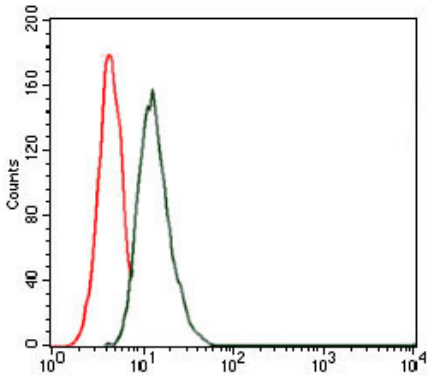


Figure 2: Flow cytometric analysis of MCF-7 cells using THPO mouse mAb (green) and negative control (red).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.