

ARG66013 anti-Tpo / Thrombopoietin antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes Tpo / Thrombopoietin
Tested Reactivity	Hu, Ms
Tested Application	ELISA, Neut, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	Tpo / Thrombopoietin
Species	Human
Immunogen	E. coli derived recombinant Human Thrombopoietin (Tpo). (SPAPPACDLR VLSKLLRDSH VLHSRLSQCP EVHPLPTPVL LPAVDFSLGE WKTQMEETKA QDILGAVTLL LEGVMAARGQ LGPTCLSSLL GQLSGQVRLL LGALQSLLT QLPPQGRRTA HKDPNAIFLS FQHLLRGKVR FLMLVGGSTL CVRRAPPTTA VPSRTSLVLT LNEL)
Conjugation	Un-conjugated
Alternate Names	C-mpl ligand; Thrombopoietin; MPLLG; TPO; ML; Megakaryocyte colony-stimulating factor; Megakaryocyte growth and development factor; MGDF; Myeloproliferative leukemia virus oncogene ligand; MKCSF; THCYT1

Application Instructions

Application table	Application	Dilution
	ELISA	Sandwich: 0.5 - 2.0 µg/ml with ARG66014 as a detection antibody
	Neut	0.05 - 0.08 µg/ml (To yield [ND50] of the biological activity of hTPO (5.00 ng/ml))
	WB	0.1 - 0.2 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

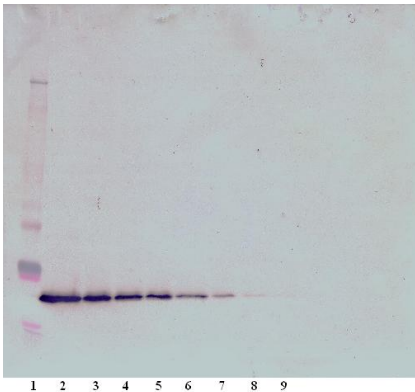
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

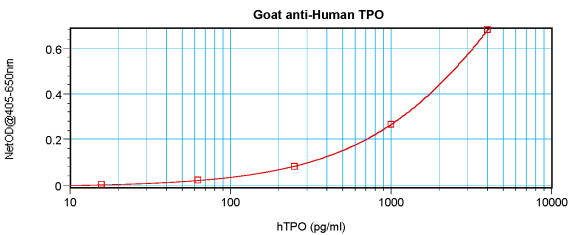
Database links	GeneID: 21832 Mouse GeneID: 7066 Human Swiss-port # P40225 Human Swiss-port # P40226 Mouse
Gene Symbol	THPO
Gene Full Name	thrombopoietin
Background	Megakaryocytopoiesis is the cellular development process that leads to platelet production. The main functional protein encoded by this gene 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. Mutations in this gene are the cause of thrombocythemia 1. Alternative promoter usage and differential splicing result in multiple transcript variants differing in the 5' UTR and/or coding region. Multiple AUG codons upstream of the main open reading frame (ORF) have been identified, and these upstream AUGs inhibit translation of the main ORF at different extent. [provided by RefSeq, Feb 2014]
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. [UniProt]
Calculated Mw	38 kDa

Images



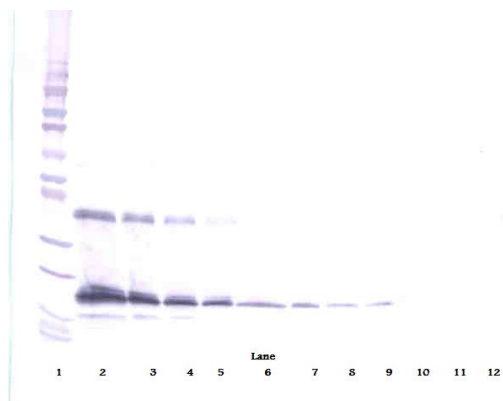
ARG66013 anti-Tpo / Thrombopoietin antibody WB image

Western blot: 250 - 0.24 ng of Human TPO stained with ARG66013 anti-Tpo / Thrombopoietin antibody, under non-reducing conditions.



ARG66013 anti-Tpo / Thrombopoietin antibody standard curve image

Sandwich ELISA: ARG66013 anti-Tpo / Thrombopoietin antibody as a capture antibody at 0.5 - 2.0 µg/ml combined with ARG66014 anti-Thrombopoietin (Tpo) antibody (Biotin) as a detection antibody. Results of a typical standard run with optical density reading at 405 - 650 nm.



ARG66013 anti-Tpo / Thrombopoietin antibody WB image

Western blot: 250 - 0.24 ng of Human TPO stained with ARG66013 anti-Tpo / Thrombopoietin antibody, under reducing conditions.