

ARG66014 anti-Tpo / Thrombopoietin antibody (Biotin)

Package: 50 µg
Store at: 4°C

Summary

Product Description	Biotin-conjugated Goat Polyclonal antibody recognizes Tpo / Thrombopoietin
Tested Reactivity	Hu
Tested Application	ELISA, 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 GQLSGQVRLG LGALQSLLT QLPPQGRRTA HKDPNAIFLS FQHLLRGKVR FLMLVGGSTL CVRRAPPTTA VPSRTSLVLT LNEL)
Conjugation	Biotin
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	Direct: 0.25 - 1.0 µg/ml Sandwich: 0.25 - 1.0 µg/ml with ARG66013 as a capture antibody
	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	Purified by affinity chromatography.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformatics

Database links

[GeneID: 7066 Human](#)

[Swiss-port # P40225 Human](#)

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 thrombocytopenia 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]

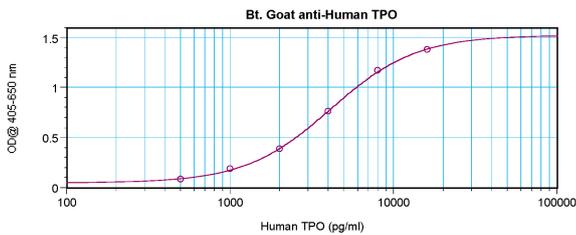
Function

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

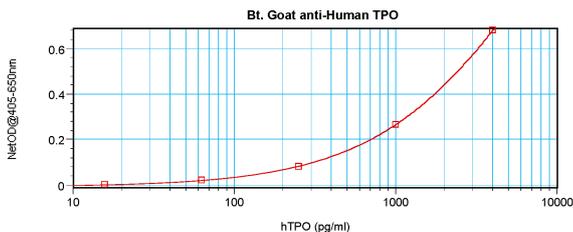
38 kDa

Images



ARG66014 anti-Tpo / Thrombopoietin antibody (Biotin) standard curve image

Direct ELISA: ARG66014 anti-Tpo / Thrombopoietin antibody (Biotin) at 0.25 - 1.0 $\mu\text{g/ml}$ results of a typical standard run with optical density reading at 405 - 650 nm.



ARG66014 anti-Tpo / Thrombopoietin antibody (Biotin) standard curve image

Sandwich ELISA: ARG66014 anti-Tpo / Thrombopoietin antibody (Biotin) as a detection antibody at 0.25 - 1.0 $\mu\text{g/ml}$ combined with ARG66013 anti-Thrombopoietin (Tpo) antibody as a capture antibody. Results of a typical standard run with optical density reading at 405 - 650 nm.