



Human THPO peptide (DAG-P1251)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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]
Conjugate	Unconjugated
Sequence Similarities	Belongs to the EPO/TPO family.
Format	Lyophilised
Preservative	None
Storage	Store at +4°C. Aliquot and store at -20°C or -80°C when reconstituted. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	THPO thrombopoietin [Homo sapiens (human)]
Official Symbol	THPO
Synonyms	THPO; thrombopoietin; ML; TPO; MGDF; MKCSF; MPLLG; THCYT1; MPL ligand; c-mpl ligand; prepro-thrombopoietin; megakaryocyte stimulating factor; megakaryocyte colony-stimulating factor; megakaryocyte growth and development factor; myeloproliferative leukemia virus oncogene ligand;

Entrez Gene ID	7066
mRNA Refseq	NM_000460.3
Protein Refseq	NP_000451.1
UniProt ID	P40225
Chromosome Location	3q27
Pathway	Hematopoietic cell lineage, organism-specific biosystem; Hematopoietic cell lineage, conserved biosystem; Hemostasis, organism-specific biosystem; Platelet Aggregation (Plug Formation), organism-specific biosystem; Platelet activation, signaling and aggregation, organism-specific biosystem;
Function	cytokine activity; growth factor activity; hormone activity;