

Human Thrombopoietin (TPO) CLIA Kit | TPO clia kit

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CATALOG #
AAA141008

REACTIVITY
Human

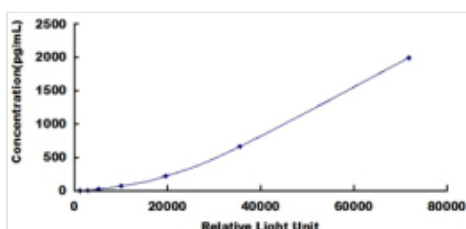
PRODUCT SYNONYMS

Thrombopoietin (TPO); Human Thrombopoietin (TPO) CLIA Kit; THPO; MGDF; MKCSF; ML; MPLLG; Myeloproliferative Leukemia Virus Oncogene Ligand; Megakaryocyte Growth And Development Factor; Megakaryocyte Stimulating Factor; TPO clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Thrombopoietin (TPO). No significant cross-reactivity or interference between Thrombopoietin (TPO) and analogues was observed.
Sequence Length	353
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma and other biological fluids
Detection Range	2.74-2,000pg/mL
Sensitivity	1.27pg/mL
Application	Chemiluminescent immunoassay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Thrombopoietin (TPO) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Thrombopoietin (TPO) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TPO clia kit	The microplate provided in this kit has been pre-coated with an antibody specific to Thrombopoietin (TPO). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Thrombopoietin (TPO). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Thrombopoietin (TPO) level in the sample or standard.;
Product Categories/Family for TPO clia kit	Hematology; Hormone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	586798208
NCBI GeneID	7066
NCBI Accession #	NP_001276927.1
NCBI GenBank Nucleotide #	NM_001289998.1
Molecular Weight	33,604 Da
NCBI Official Full Name	thrombopoietin isoform 1
NCBI Official Synonym Full Names	thrombopoietin
NCBI Official Symbol	THPO
NCBI Official Synonym Symbols	ML; TPO; MGDF; MKCSF; MPLLG; THCYT1
NCBI Protein Information	thrombopoietin
UniProt Protein Name	Thrombopoietin
UniProt Gene Name	THPO
UniProt Synonym Gene Names	MGDF; ML; MGDF
UniProt Entry Name	TPO_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-clia-kits/thrombopoietin-tpo/141008>