

Human Thrombopoietin/Tpo ELISA Kit | TPO elisa kit

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CATALOG #
AAA281369

REACTIVITY
Human

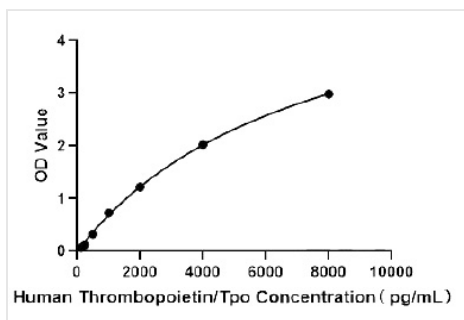
PRODUCT SYNONYMS

Thrombopoietin/Tpo; Human Thrombopoietin/Tpo ELISA Kit; TPO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay recognizes both recombinant and natural human Thrombopoietin/Tpo. The factors listed below were prepared at 50ng/ml and assayed for cross-reactivity. No significant cross-reactivity was observed with the following: Recombinant human: Epo Tpo R
Sequence Length	353
Assay Type	Quantitative Sandwich
Detection Range	125-8000pg/mL
Sensitivity	< 62.5 pg/mL
Intra-assay Precision	Intra-plate Precision The three samples with known concentrations were repeated 20 times on the same board to calculate the coefficient of variation (CV) for the concentrations. Intra-Assay: CV<10%
Inter-assay Precision	Inter-plate Precision The coefficient of variation (CV) of three known concentrations was calculated by 20 tests of two kits on each of the three samples. Inter-Assay: CV<15%
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TPO elisa kit	Background: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of Thrombopoietin/Tpo in human serum, plasma, cell culture supernatants and other biological fluids. Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. An antibody specific for human Thrombopoietin/Tpo has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any Thrombopoietin/Tpo present is bound by the immobilized antibody. After washing away any unbound substances, a biotin-conjugated detection antibody specific for human Thrombopoietin/Tpo is added to the wells. After incubating, an enzyme-linked streptavidin is added and binds to biotin. Following a wash to remove any unbound antibody-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of Thrombopoietin/Tpo bound in the initial step. The color development is stopped, and the absorbance is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4507493
NCBI GeneID	7066
NCBI Accession #	NP_000451.1
NCBI GenBank Nucleotide #	NM_000460.4
UniProt Accession #	P40225; Q13020; Q15790; Q15791; Q15792; A1L3Y0; B7ZLR8; B9EGA8
Molecular Weight	37,387 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

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.