

Mouse Thrombopoietin / TPO ELISA Kit | TPO elisa kit

Thrombopoietin / TPO Mouse ELISA Kit

CATALOG # AAA59005	REACTIVITY Mouse	APPLICATIONS ELISA
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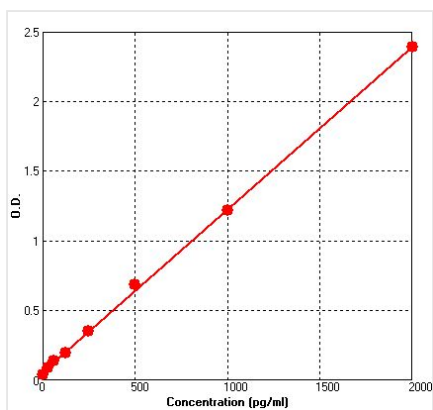
PRODUCT SYNONYMS

Thrombopoietin / TPO; Thrombopoietin / TPO Mouse ELISA Kit; Mouse Thrombopoietin / TPO; TPO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Assay Type	Sandwich
Detection Range	31.2 pg/ml-2000 pg/ml
Sensitivity	< 5pg/ml
Applicable Applications for TPO elisa kit	ELISA
Preparation and Storage	Store at 2-8 degree C for 4 months, or at -20 degree C for 8 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TPO elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-TPO polyclonal antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-TPO polyclonal antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the TPO amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of TPO can be calculated.

Background: Thrombopoietin (THPO) also known as megakaryocyte growth and development factor (MGDF) is a protein that in humans is encoded by the THPO gene. The gene is 6.2 kb long and contains 6 exons and 5 introns, and maps to 3q27. THPO was expressed from both promoters in HEK293T human embryonic kidney cells and in HepG2 adult liver cells. The 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	914226
NCBI GeneID	7066
UniProt Accession #	P40225; Q13020; Q15790; Q15791; Q15792; A1L3Y0; B7ZLR8; B9EGA8
Molecular Weight	37,823 Da
NCBI Official Full Name	thrombopoietin
NCBI Official Synonym Full Names	thrombopoietin
NCBI Official Symbol	THPO
NCBI Official Synonym Symbols	ML; TPO; MGDF; MKCSF; MPLLG; THCYT1
NCBI Protein Information	thrombopoietin; MPL ligand; c-mpl ligand; thrombopoietin nirs variant 1; megakaryocyte stimulating factor; megakaryocyte colony-stimulating factor; megakaryocyte growth and development factor; myeloproliferative leukemia virus oncogene ligand
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://www.aaabiotech.com/mouse-elisa-kits/thrombopoietin-tpo/59005>