

Rat Thrombopoietin ELISA Kit | TPO elisa kit

Rat Thrombopoietin ELISA Kit

CATALOG #
AAA86397

REACTIVITY
Rat

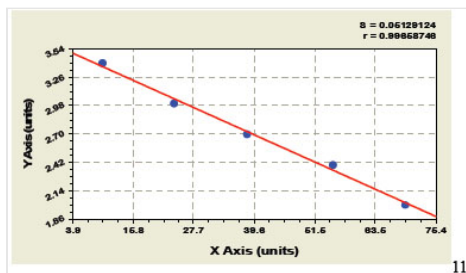
PRODUCT SYNONYMS

Thrombopoietin; Rat Thrombopoietin ELISA Kit; TPO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	100-2500pg/mL
Sensitivity	1.0pg/ml
Intended Uses	This TPO ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat TPO. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TPO elisa kit

Principle of the assay: TPO ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-TPO antibody and an TPO-HRP conjugate. The assay sample and buffer are incubated together with TPO-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the TPO concentration since TPO from samples and TPO-HRP conjugate compete for the anti-TPO antibody binding site. Since the number of sites is limited, as more sites are occupied by TPO from the sample, fewer sites are left to bind TPO-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TPO concentration in each sample is interpolated from this standard curve.

Product Categories/Family for TPO elisa kit

Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	914226
NCBI GeneID	7066
Molecular Weight	33,604 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; prepro-thrombopoietin; 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/tpo-rat-elisa-kits/thrombopoietin/86397>