

Goat Thrombopoietin antibody ELISA Kit | TPO elisa kit

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CATALOG #
AAA89925

REACTIVITY
Goat

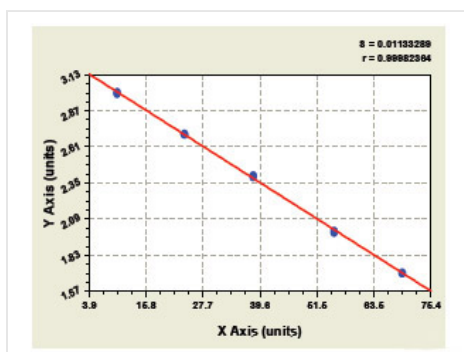
PRODUCT SYNONYMS

Thrombopoietin antibody; Goat Thrombopoietin antibody ELISA Kit; TPO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Goat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Intended Uses	This TPOAb ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat TPOAb. 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: TPOAb ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-TPOAb antibody and an TPOAb-HRP conjugate. The assay sample and buffer are incubated together with TPOAb-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 TPOAb concentration since TPOAb from samples and TPOAb-HRP conjugate compete for the anti-TPOAb antibody binding site. Since the number of sites is limited, as more sites are occupied by TPOAb from the sample, fewer sites are left to bind TPOAb-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TPOAb 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
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://stage.aaabiotech.com/tpo-goat-elisa-kits/thrombopoietin-antibody/89925>