

Human THBS1/TSP1 ELISA Kit | THBS1 elisa kit

Human THBS1/TSP1 PicoKine ELISA Kit

CATALOG #
AAA45546

REACTIVITY
Human

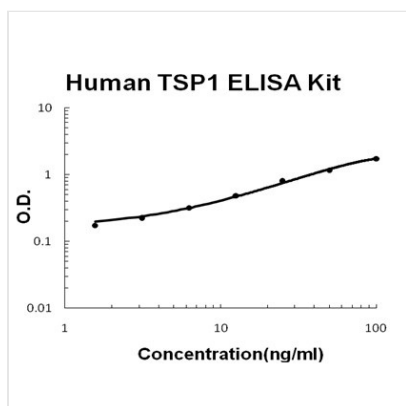
PRODUCT SYNONYMS

THBS1/TSP1; Human THBS1/TSP1 PicoKine ELISA Kit; Thrombospondin-1; thrombospondin 1; THBS 1; THBS; THBS1; Thrombospondin 1; Tsp 1; TSP; Tsp1; TSP1_HUMAN; THBS1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human THBS1
Sequence Length	1170
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	1.56ng/ml-100ng/ml
Sensitivity	< 50pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human THBS1/TSP1 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for THBS1 elisa kit	Principle of the assay: human THBS1 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for THBS1 has been precoated onto 96-well plates. Standards(NSO, N19-P1170) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for THBS1 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was 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 human THBS1 amount of sample captured in plate. Background: Thrombospondin 1, also known as THBS1, is a protein that in humans is encoded by the THBS1 gene. Thrombospondin 1 is a subunit of a disulfide-linked homotrimeric protein. This protein is an adhesive glycoprotein that mediates cell-to-cell and cell-to-matrix interactions. By in situ hybridization, the THBS1 gene was mapped to human 15q15 and the cognate gene to mouse chromosome 2 (region F) and was localized to 15q11-qter by Southern analysis of human-rodent somatic cell hybrids. Thrombospondin I is a multimodular secreted protein that associates with the extracellular matrix and possesses a variety of biologic functions, including a potent antiangiogenic activity. Other thrombospondin genes include thrombospondins II, III, and IV.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	117949802
NCBI GeneID	7057
UniProt Accession #	P07996; Q15667; Q59E99; A8K6H4; B4E3J7; B9EGH6
Molecular Weight	120,148 Da
NCBI Official Full Name	Thrombospondin-1
NCBI Official Synonym Full Names	thrombospondin 1
NCBI Official Symbol	THBS1
NCBI Official Synonym Symbols	TSP; THBS; TSP1; TSP-1; THBS-1
NCBI Protein Information	thrombospondin-1; thrombospondin-1p180
UniProt Protein Name	Thrombospondin-1
UniProt Gene Name	THBS1
UniProt Synonym Gene Names	TSP; TSP1
UniProt Entry Name	TSP1_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.