

Rat Thrombospondin 1 (TSP-1) ELISA Kit | TSP-1 elisa kit

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CATALOG #
AAA330164

REACTIVITY
Rat

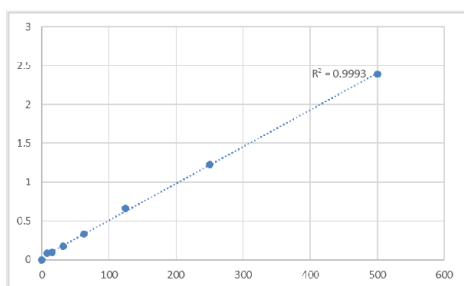
PRODUCT SYNONYMS

Thrombospondin 1 (TSP-1); Rat Thrombospondin 1 (TSP-1) ELISA Kit; TSP-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Rat Thrombospondin 1 (TSP-1) ELISA Kit has high sensitivity and excellent specificity for detection of Rat TSP-1. No significant cross-reactivity or interference between Rat TSP-1 and analogues was observed.
Sequence Length	1170
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Rat Thrombospondin 1 (TSP-1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TSP-1 elisa kit	Description: This Rat Thrombospondin 1 (TSP-1) ELISA Kit employs a two-site sandwich ELISA to quantitate TSP-1 in samples. An antibody specific for TSP-1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TSP-1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TSP-1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of TSP-1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: TSPAN1 belongs to the large family of tetraspanins, so named because they contain 4 transmembrane domains. Tetraspanins are frequently expressed at the cell surface in association with each other and with other molecules, such as integrins, and they function to regulate cell adhesion, migration, proliferation, and differentiation. The deduced 242-amino acid protein contains 4 transmembrane domains and other features characteristic of tetraspanins, including conservation of charged residues in or near the transmembrane domains, similar to ion channels, and of 4 cysteines in the second extracellular domain. EST database analysis suggested that TSPAN2 is expressed in colon, endometrium, pancreas, normal and neoplastic prostate, and pregnant uterus.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	40317626
NCBI GeneID	7057
NCBI GenBank Nucleotide #	NP_003237.2
UniProt Accession #	P07996
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
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.

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Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/thrombospondin-1-tsp-1/330164>