

Rat Thrombospondin 1 (THBS1) ELISA Kit | THBS1 elisa kit

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CATALOG #
AAA65754

REACTIVITY
Rat

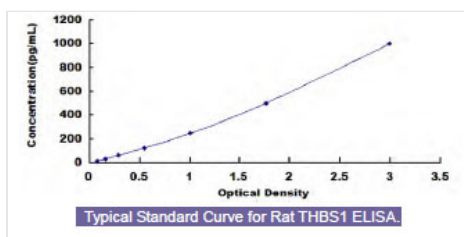
PRODUCT SYNONYMS

Thrombospondin 1 (THBS1); Rat Thrombospondin 1 (THBS1) ELISA Kit; TSP1; Thrombospondin-1p180; THBS1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of THBS1. No significant cross-reactivity or interference between THBS1 and analogues was observed.
Sequence Length	1170
Samples	Plasma.
Assay Type	Sandwich
Detection Range	15.625-1000pg/mL
Sensitivity	5.3pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level THBS1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level THBS1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for THBS1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of THBS1 in rat plasma. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to THBS1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to THBS1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain THBS1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of THBS1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	61556835
NCBI GeneID	445442
NCBI Accession #	NP_001013080.1
NCBI GenBank Nucleotide #	NM_001013062.1
UniProt Accession #	Q71SA3
Molecular Weight	129,671 Da
NCBI Official Full Name	thrombospondin-1
NCBI Official Synonym Full Names	thrombospondin 1
NCBI Official Symbol	Thbs1
NCBI Official Synonym Symbols	Tsp1; TSP-1
NCBI Protein Information	thrombospondin-1
UniProt Protein Name	Thrombospondin 1
UniProt Gene Name	Thbs1

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.