

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

Mouse Thrombospondin 1 (THBS1) Wide-range ELISA Kit

CATALOG # AAA189173	REACTIVITY Mouse	APPLICATIONS ELISA
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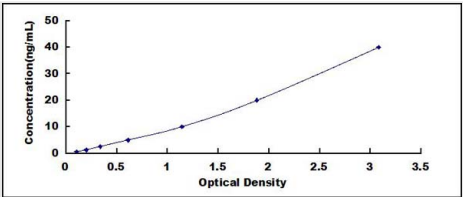
PRODUCT SYNONYMS

Thrombospondin 1 (THBS1); Mouse Thrombospondin 1 (THBS1) Wide-range ELISA Kit; Thrombospondin 1; TSP1; Thrombospondin-1p180; THBS1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Wide-range Thrombospondin 1 (THBS1). No significant cross-reactivity or interference between Wide-range Thrombospondin 1 (THBS1) and analogues was observed.
Sequence Length	1170
Assay Type	Double-antibody Sandwich
Samples	plasma, tissue homogenates and other biological fluids
Detection Range	0.625-40ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.244ng/mL
Applicable Applications for THBS1 elisa kit	ELISA
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Wide-range Thrombospondin 1 (THBS1) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Wide-range Thrombospondin 1 (THBS1) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Wide-range Thrombospondin 1 (THBS1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Wide-range Thrombospondin 1 (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 Wide-range Thrombospondin 1 (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 Wide-range Thrombospondin 1 (THBS1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

NCBI GI #	549134
NCBI GeneID	21825
UniProt Accession #	P35441
NCBI Official Full Name	Thrombospondin-1
NCBI Official Synonym Full Names	thrombospondin 1
NCBI Official Symbol	Thbs1
NCBI Official Synonym Symbols	TSP1; TSP-1; tbsp1; Thbs-1
NCBI Protein Information	thrombospondin-1
UniProt Protein Name	Thrombospondin-1
UniProt Gene Name	Thbs1
UniProt Synonym Gene Names	Tsp1
UniProt Entry Name	TSP1_MOUSE

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/thrombospondin-1-thbs1/189173>