Datasheet for KOA0540

Human THBS1 - TSP1 ELISA Kit

Overview

Description:	Human THBS1/TSP1 AccuSignal ELISA Kit - KOA0540
Item No.:	KOA0540
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	1.56 ng/ml - 100 ng/ml

Product Details

Background:	Thrombospondin 1, also known as THBS1, is a protein that in humans in 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.
Synonyms:	THBS 1, THBS, THBS1, Thrombospondin 1, Thrombospondin-1, Tsp 1, TSP, Tsp1, TSP1_HUMAN
Detection Kit Type:	ELISA Kit
Detection Range:	1.56 ng/ml - 100 ng/ml
Sensitivity:	<50 pg/ml

Target Details

Gene Name:	THBS1
Reactivity:	Human
Immunogen:	Expression system for standard: NSO; Immunogen sequence: N19-P1170
Purity/Specificity:	Natural and recombinant human THBS1. There is no detectable cross-reactivity with other relevant proteins.

Relevant Links:

- UniProtKB - P07996
- NCBI - NP_003237.2
- GeneID - 7057
- KOA0540 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 100ng/ml, 50ng/ml, 25ng/ml, 1.25ng/ml, 6.25ng/ml, 3.12ng/ml, 1.56ng/ml human THBS1 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of human cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. We recommend that each human THBS1 standard solution and each sample is measured in duplicate.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1.56ng/ml-100ng/ml
Other:	DOE: 2-8° C - 03/18/19 -20° C - 09/06/19

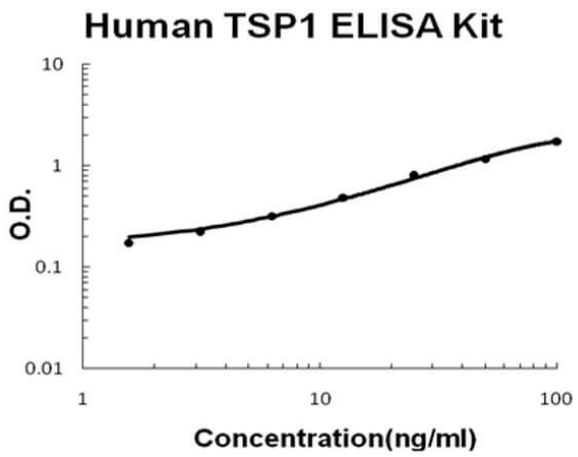
Formulation

Concentration:	1 Kit
Anticoagulant:	Heparin Sodium

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.
Expiration:	See kit insert for complete instructions.

Images



ELISA
Human THBS1/TSP1 AccuSignal ELISA Kit standard curve.
Assay Range: 1.56ng/ml-100ng/ml. Sensitivity: <50pg/ml.

Disclaimer

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