

Datasheet for ABIN5510594
Thrombospondin 1 ELISA Kit



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1 Image

Overview

Quantity:	96 tests
Target:	Thrombospondin 1 (THBS1)
Binding Specificity:	AA 19-1170
Reactivity:	Monkey
Method Type:	Sandwich ELISA
Application:	ELISA

Product Details

Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of monkey primate THBS1/TSP1
Brand:	PicoKine™
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Expression system for standard: NSO Immunogen sequence: N19-P1170
Cross-Reactivity (Details):	There is no detectable cross-reactivity with other relevant proteins.
Characteristics:	Sequence similarities: Belongs to the thrombospondin family.

Target Details

Target:	Thrombospondin 1 (THBS1)
Alternative Name:	THBS1 (THBS1 Products)

Target Details

Background: Protein Function: Adhesive glycoprotein that mediates cell-to-cell and cell-to-matrix interactions. Binds heparin. May play a role in dentinogenesis and/or maintenance of dentin and dental pulp (By similarity). Ligand for CD36 mediating antiangiogenic properties. Plays a role in ER stress response, via its interaction with the activating transcription factor 6 alpha (ATF6) which produces adaptive ER stress response factors (By similarity). .

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 monkey primate 15q15 and the cognate gene to monkey primate chromosome 2(region F) and was localized to 15q11-14qter 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: Thrombospondin-1, THBS1, TSP, TSP1,

Full Gene Name: Thrombospondin-1

Cellular Localisation: Endoplasmic reticulum . Sarcoplasmic reticulum.

UniProt: [P07996](#)

Pathways: [Autophagy](#)

Application Details

Plate: Pre-coated

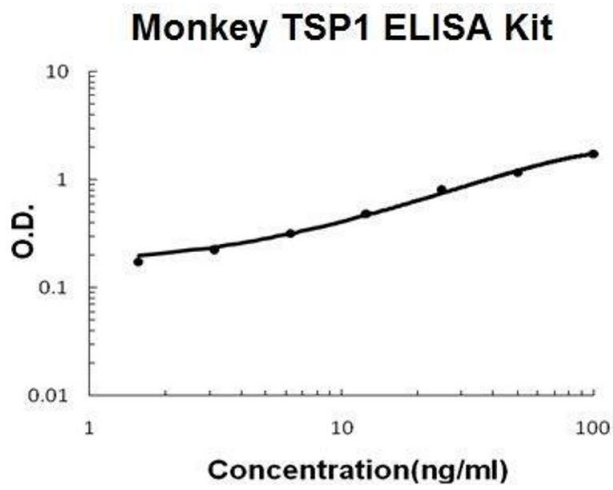
Restrictions: For Research Use only

Handling

Storage: 4 °C, -20 °C

Storage Comment: Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

Expiry Date: 12 months



ELISA

Image 1. Monkey Primate THBS1/TSP1 PicoKine ELISA Kit standard curve