

ARG81773 Human TSP1 / Thrombospondin 1 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81773-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81773-002	Standard	2 X 100 ng/vial	4°C
ARG81773-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81773-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81773-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81773-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81773-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81773-008	25X Wash buffer	20 ml	4°C
ARG81773-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81773-010	STOP solution	10 ml (Ready to use)	4°C
ARG81773-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81773 Human TSP1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human TSP in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	TSP1 / Thrombospondin 1
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	0.78 ng/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	1.56 - 100 ng/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.7%; Inter-Assay CV: 7.8%
Alternate Names	TSP1; THBS; THBS-1; Thrombospondin-1; TSP-1; TSP

Application Instructions

Assay Time	~ 5 hours
------------	-----------

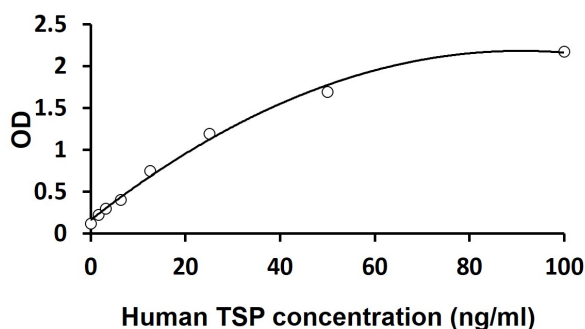
Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	THBS1
Gene Full Name	thrombospondin 1
Background	The protein encoded by this gene 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. This protein can bind to fibrinogen, fibronectin, laminin, type V collagen and integrins alpha-V/beta-1. This protein has been shown to play roles in platelet aggregation, angiogenesis, and tumorigenesis. [provided by RefSeq, Jul 2008]
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). [UniProt]
Highlight	Related products: TSP antibodies ; TSP ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData

Images



ARG81773 Human TSP ELISA Kit standard curve image

ARG81773 Human TSP ELISA Kit results of a typical standard run with optical density reading at 450 nm.