

Human Spondin 1 (SPON1) ELISA Kit | SPON1 elisa kit

Human Spondin 1 (SPON1) ELISA Kit

CATALOG #
AAA186829

REACTIVITY
Human

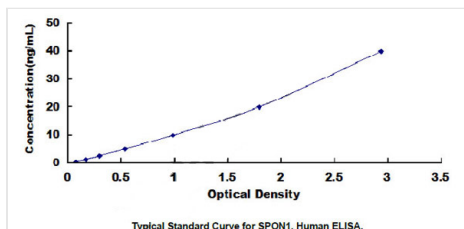
PRODUCT SYNONYMS

Spondin 1 (SPON1); Human Spondin 1 (SPON1) ELISA Kit; VSGP; F-spondin; Extracellular Matrix Protein; Vascular smooth muscle cell growth-promoting factor; SPON1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of SPON1. No significant cross-reactivity or interference between SPON1 and analogues was observed.
Sequence Length	807
Samples	Serum, plasma and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.625-40ng/mL
Sensitivity	< 0.235ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SPON1 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 SPON1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
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)

ADDITIONAL INFORMATION

Related Product Information for SPON1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of SPON1 in human serum, plasma and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to SPON1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to SPON1. 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 SPON1, 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 SPON1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	110347423
NCBI GeneID	10418
NCBI Accession #	NP_006099.2
NCBI GenBank Nucleotide #	NM_006108.3
UniProt Accession #	Q9HCB6; O94862; Q8NCD7; Q8WUR5; A8K6W5
Molecular Weight	90,973 Da
NCBI Official Full Name	spondin-1
NCBI Official Synonym Full Names	spondin 1
NCBI Official Symbol	SPON1
NCBI Official Synonym Symbols	f-spondin; VSGP/F-spondin
NCBI Protein Information	spondin-1
UniProt Protein Name	Spondin-1
UniProt Gene Name	SPON1
UniProt Synonym Gene Names	KIAA0762; VSGP

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.