

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

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CATALOG #
AAA330555

REACTIVITY
Human

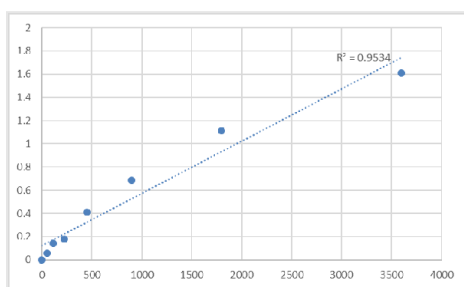
PRODUCT SYNONYMS

Spondin-1 (SPON1); Human Spondin-1 (SPON1) ELISA Kit; SPON1; KIAA0762; MGC10724; f-spondin; VSGP/F-spondin; spondin 1; (f-spondin) extracellular matrix protein; SPON1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Spondin-1 (SPON1) ELISA Kit has high sensitivity and excellent specificity for detection of Human SPON1. No significant cross-reactivity or interference between Human SPON1 and analogues was observed.
Sequence Length	807
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Spondin-1 (SPON1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SPON1 elisa kit	Description: This Human Spondin-1 (SPON1) ELISA Kit employs a two-site sandwich ELISA to quantitate SPON1 in samples. An antibody specific for SPON1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SPON1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SPON1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SPON1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Spondin-1 is a protein contains 807 aminoacids and is structurally composed of six thrombospondin domains, one reelin domain, and one spondin domain.The deduced 624-amino acid partial SPON1 protein shares 96.8% amino acid sequence identity with the rat F-spondin precursor across 624 residues.SPON1 expression in lung, lower expression in brain, heart, kidney, liver, and testis, and lowest expression in pancreas, skeletal muscle, and ovary; no expression was found in spleen. In vitro binding assays using mutated human proteins confirmed that SPON1 specifically bound to the central APP domain (CAPPD). SPON1 inhibited APP cleavage by BACE1, the primary beta-secretase involved in APP processing. Binding also impaired APP- and FE65-dependent transactivation of the chromosome remodeling factor TIP60.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	110347423
NCBI GeneID	10418
NCBI Accession #	NP_006099.2
NCBI GenBank Nucleotide #	NP_006099.2
UniProt Accession #	Q9HCB6
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.