

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

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CATALOG #
AAA245834

REACTIVITY
Mouse

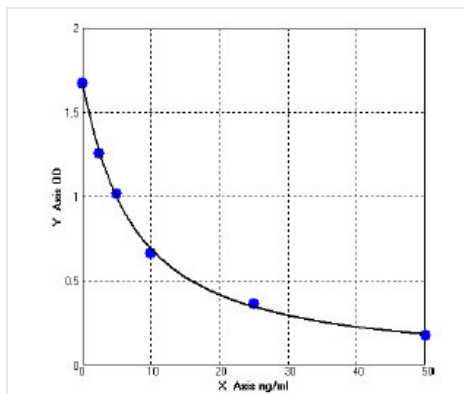
PRODUCT SYNONYMS

Spondin-1 (SPON1); Mouse Spondin-1 (SPON1) ELISA Kit; SPON1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of SPON-1. No significant cross-reactivity or interference between SPON-1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between SPON-1 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SPON1 elisa kit	Intended Uses: This SPON-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse SPON-1. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: SPON-1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-SPON-1 antibody and an SPON-1-HRP conjugate. The assay sample and buffer are incubated together with SPON-1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the SPON-1 concentration since SPON-1 from samples and SPON-1-HRP conjugate compete for the anti-SPON-1 antibody binding site. Since the number of sites is limited, as more sites are occupied by SPON-1 from the sample, fewer sites are left to bind SPON-1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SPON-1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for SPON1 elisa kit	Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	110347423
NCBI GeneID	10418
NCBI Accession #	NP_006099.2
NCBI GenBank Nucleotide #	NM_006108.3
Molecular Weight	90,973 Da
NCBI Official Full Name	spondin-1
NCBI Official Synonym Full Names	spondin 1, extracellular matrix protein
NCBI Official Symbol	SPON1
NCBI Official Synonym Symbols	f-spondin; VSGP/F-spondin
NCBI Protein Information	spondin-1; spondin 1, (f-spondin) extracellular matrix protein; vascular smooth muscle cell growth-promoting factor
UniProt Protein Name	Spondin-1
UniProt Gene Name	SPON1
UniProt Synonym Gene Names	KIAA0762; VSGP
UniProt Entry Name	SPON1_HUMAN

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.