

Rat Spondin 2 (SPON2) ELISA Kit | SPON2 elisa kit

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CATALOG #
AAA186828

REACTIVITY
Rat

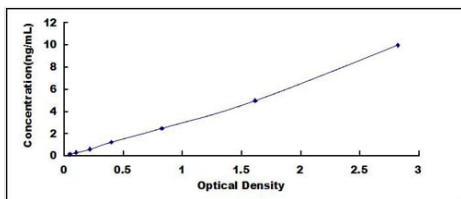
PRODUCT SYNONYMS

Spondin 2 (SPON2); Rat Spondin 2 (SPON2) ELISA Kit; DIL1; Mindin; M-spondin; Extracellular Matrix Protein; Differentially expressed in cancerous and non-cancerous lung cells 1; SPON2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Spondin 2 (SPON2). No significant cross-reactivity or interference between Spondin 2 (SPON2) and analogues was observed.
Sequence Length	331
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.057ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Spondin 2 (SPON2) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Spondin 2 (SPON2) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 SPON2 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Spondin 2 (SPON2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Spondin 2 (SPON2). 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 Spondin 2 (SPON2), 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 Spondin 2 (SPON2) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	190341087
NCBI GeneID	10417
NCBI Accession #	NP_001121797.1
NCBI GenBank Nucleotide #	NM_001128325.2
UniProt Accession #	Q9BUD6; Q4W5N4; Q9ULW1; D3DVN9
Molecular Weight	35,846 Da
NCBI Official Full Name	spondin-2
NCBI Official Synonym Full Names	spondin 2
NCBI Official Symbol	SPON2
NCBI Official Synonym Symbols	DIL1; DIL-1; MINDIN; M-SPONDIN
NCBI Protein Information	spondin-2
UniProt Protein Name	Spondin-2
UniProt Gene Name	SPON2
UniProt Synonym Gene Names	DIL1; DIL-1

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.