

## Rat Spondin-2 (SPON2) ELISA Kit

Catalog No: #EK6590



Package Size: #EK6590-1 48T #EK6590-2 96T

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## Description

Product Name	Rat Spondin-2 (SPON2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rat ( <i>Rattus norvegicus</i> )
Other Names	DIL-1; DIL1; DKFZp686G21139; FLJ16313; FLJ34460; M-spondin; Mindin;
Accession No.	Q9WV75
Uniprot	Q9WV75
GeneID	100910790;171569;
Storage	<p>The stability of ELISA 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.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

## Application Details

Detect Range:Request Information

Sensitivity:Request Information

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

**Detection Method:**SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate SPON2 in samples. An antibody specific for SPON2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySPON2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SPON2 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 SPON2 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**The full-length SPON2 cDNA encodes a 331-amino acid protein with a domain organization similar to those of zebrafish mindin-1/mindin-2 and F-spondin (SPON1): a hydrophobic signal sequence in the N terminus, an FS1 domain, an FS2 domain, and a thrombospondin type I repeat.

The mouse mindin protein, which is 85% identical to the human protein, is a conserved member of a family of secreted extracellular matrix proteins. RNA blot analysis detected expression in a variety of tissues, with abundant expression in lung and lymphoid tissues. Immunoblot blot analysis showed expression of a 42-kD protein under reducing conditions and expression of dimers and oligomers in a concentration-dependent manner under nonreducing conditions.

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Note: This product is for in vitro research use only