

Mouse Protein Spinster Homolog 2 (SPNS2) ELISA Kit | SPNS2 elisa kit

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CATALOG #
AAA332244

REACTIVITY
Mouse

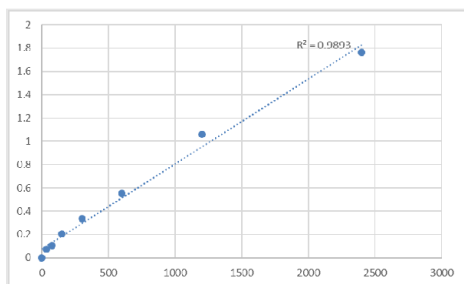
PRODUCT SYNONYMS

Protein Spinster Homolog 2 (SPNS2); Mouse Protein Spinster Homolog 2 (SPNS2) ELISA Kit; SPNS2; Spinster homolog 2; SPNS2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Protein spinster homolog 2 (SPNS2) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse SPNS2. No significant cross-reactivity or interference between Mouse SPNS2 and analogues was observed.
Sequence Length	549
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. Mouse Protein spinster homolog 2 (SPNS2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SPNS2 elisa kit	Description: This Mouse Protein spinster homolog 2 (SPNS2) ELISA Kit employs a two-site sandwich ELISA to quantitate SPNS2 in samples. An antibody specific for SPNS2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SPNS2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SPNS2 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 SPNS2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: SPNS2 contains 548 amino acids and shares significant homology with zebrafish Spns2. Kawahara et al. (2009) showed that zebrafish Spns2, which contains 12 transmembrane domains, was expressed at the membrane of transfected Chinese hamster ovary cells. Overexpression of either zebrafish or human SPNS2 increased the release of sphingosine-1-phosphate (S1P) into the culture medium. Kawahara et al. (2009) concluded that SPNS2 functions as an S1P transporter in S1P secretion.an N-ethyl-N-nitrosurea-induced arg153-to-ser mutation in zebrafish Spns2 led to cardiac bifida. Expression of human SPNS2, but not human SPNS1, reversed the defect. The defect was also rescued by S1P injection or by reintroduction of zebrafish Spns2 in extraembryonic tissue yolk syncytial layer.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	222418556
NCBI GeneID	216892
NCBI Accession #	NP_694700.2
NCBI GenBank Nucleotide #	NP_694700.2
UniProt Accession #	Q91VM4
NCBI Official Full Name	protein spinster homolog 2 isoform 1
NCBI Official Synonym Full Names	spinster homolog 2
NCBI Official Symbol	Spns2
NCBI Protein Information	protein spinster homolog 2
UniProt Protein Name	Protein spinster homolog 2
UniProt Gene Name	Spns2
UniProt Entry Name	SPNS2_MOUSE

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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/protein-spinster-homolog-2-spns2/332244>