

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

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CATALOG #
AAA330548

REACTIVITY
Human

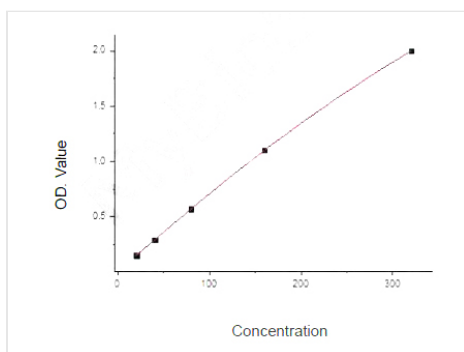
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Protein spinster homolog 2 (SPNS2) ELISA Kit has high sensitivity and excellent specificity for detection of Human SPNS2. No significant cross-reactivity or interference between Human SPNS2 and analogues was observed.
Sequence Length	549
Assay Type	Sandwich
Samples	Human serum, cell culture supernates and other biological fluids
Detection Range	20 pg/ml - 320 pg/ml
Sensitivity	< 1pg/ml
Intra-assay Precision	Four samples of known concentration were tested twenty times on one plate to assess intra-assay precision. The CV (%)?9%.
Inter-assay Precision	Three samples of known concentration were tested in twenty separate assays to assess inter-assay precision. Assays were performed by at least three technicians using two lots of components. The CV (%)?11%.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SPNS2 elisa kit	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. Principle of the Assay: Human 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, HRP-Conjugated Human SPNS2 detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	71051457
NCBI GeneID	124976
UniProt Accession #	Q8IVW8
NCBI Official Full Name	SPNS2 protein
NCBI Official Synonym Full Names	sphingolipid transporter 2
NCBI Official Symbol	SPNS2
NCBI Official Synonym Symbols	SLC62A2
NCBI Protein Information	protein spinster homolog 2
UniProt Protein Name	Protein spinster homolog 2
UniProt Gene Name	SPNS2
UniProt Entry Name	SPNS2_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/protein-spinster-homolog-2-spns2/330548>