

Human Protein Spinster Homolog 1 (SPNS1) ELISA Kit | SPNS1 elisa kit

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CATALOG #
AAA330547

REACTIVITY
Human

PRODUCT SYNONYMS

Protein Spinster Homolog 1 (SPNS1); Human Protein Spinster Homolog 1 (SPNS1) ELISA Kit; SPNS1; FLJ38358; HSpin1; LAT; PP2030; SPIN1; SPINL; nrs; spinster homolog 1; spinster-like; SPNS1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Protein spinster homolog 1 (SPNS1) ELISA Kit has high sensitivity and excellent specificity for detection of Human SPNS1. No significant cross-reactivity or interference between Human SPNS1 and analogues was observed.
Sequence Length	528
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. Human Protein spinster homolog 1 (SPNS1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SPNS1 elisa kit	Description: This Human Protein spinster homolog 1 (SPNS1) ELISA Kit employs a two-site sandwich ELISA to quantitate SPNS1 in samples. An antibody specific for SPNS1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SPNS1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SPNS1 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 SPNS1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: SPIN1 played a critical role in necrotic cell death in cultured human cells. SPIN1 bound the antiapoptotic protein BCL2 and the apoptosis regulator BCLXL and induced cell death via a pathway that was independent of mitochondrial cytochrome c (CYCS) release and caspase activation. Mutation analysis showed that SPIN1 bound BCLXL via its BH3 domain. Necrosis inhibitors, but not caspase inhibitors, blocked SPIN1-induced cell death. SPIN1-induced cell death increased autophagic vacuole formation and the mature form of lysosomal cathepsin D (CTSD), suggesting SPIN1 induces necrotic cell death via autophagy.SPIN1 expression was also detected in HeLa and HEK293 cell lines. SPIN1 localized diffusely throughout the cytoplasm and concentrated in a punctate pattern that colocalized with a mitochondrial marker.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	215490096
NCBI GeneID	83985
NCBI Accession #	NP_001135920
NCBI GenBank Nucleotide #	NP_001135920.1
UniProt Accession #	Q9H2V7
NCBI Official Full Name	protein spinster homolog 1 isoform 1
NCBI Official Synonym Full Names	sphingolipid transporter 1 (putative)
NCBI Official Symbol	SPNS1
NCBI Official Synonym Symbols	LAT; nrs; SPIN1; SPINL; HSpin1; PP2030; SLC62A1
NCBI Protein Information	protein spinster homolog 1
UniProt Protein Name	Protein spinster homolog 1
UniProt Gene Name	SPNS1
UniProt Synonym Gene Names	SPIN1
UniProt Entry Name	SPNS1_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.