Human Shadow Of Prion Protein (SPRN) ELISA Kit | SPRN elisa kit

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CATALOG #	REACTIVITY
AAA330562	**Human**

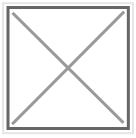
PRODUCT SYNONYMS

Shadow Of Prion Protein (SPRN); Human Shadow Of Prion Protein (SPRN) ELISA Kit; SPRN; FLJ41197; SHADOO; SHO; bA108K14.1; shadow of prion protein; SPRN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Shadow of prion protein (SPRN) ELISA Kit has high sensitivity and excellent specificity for detection of Human SPRN. No significant cross-reactivity or interference between Human SPRN and analogues was observed.
Sequence Length	151
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 Shadow of prion protein (SPRN) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SPRN elisa kit	Description: This Human Shadow of prion protein (SPRN) ELISA Kit employs a two-site sandwich ELISA to quantitate SPRN in samples. An antibody specific for SPRN has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SPRN present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SPRN 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 SPRN bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: SPRN expression in human, rat, and mouse brain. The deduced human protein contains 151 amino acids. The mammalian proteins share 81 to 95% sequence identity. Alignment of all fish and mammalian Sho proteins showed that all have an N-terminal peptide sequence with an endoplasmic reticulum targeting signal for extracellular transport, a basic RG-rich region, a hydrophobic stretch in the middle of the protein that contains the same unusual composition of small aliphatic residues (GAV) as PrP and PrP-like proteins, and a C-terminal region with a putative N-glycosylation site and a possible GPI anchor site (Premzl et al., 2003, 2004). Database searches revealed that SPRN is expressed in mouse and rat embryo, brain, and retina, in human hippocampus, and in zebrafish embryo and retina.

NCBI AND UNIPROT INFORMATION

NCBI GI #	61676082
NCBI GeneID	503542
NCBI Accession #	NP_001012526.2
NCBI GenBank Nucleotide #	NP_001012526.2
UniProt Accession #	Q5BIV9
NCBI Official Full Name	shadow of prion protein
NCBI Official Synonym Full Names	shadow of prion protein
NCBI Official Symbol	SPRN
NCBI Official Synonym Symbols	SHO; SHADOO; bA108K14.1
NCBI Protein Information	shadow of prion protein
UniProt Protein Name	Shadow of prion protein
UniProt Gene Name	**SPRN**
UniProt Synonym Gene Names	SHO; Protein shadoo
UniProt Entry Name	SPRN_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/shadow-of-prion-protein-sprn/330562