

Human Persephin (PSPN) ELISA Kit | PSPN elisa kit

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CATALOG #
AAA331260

REACTIVITY
Human

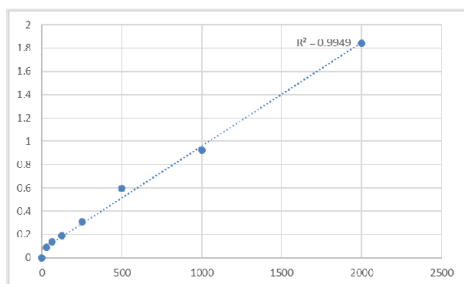
PRODUCT SYNONYMS

Persephin (PSPN); Human Persephin (PSPN) ELISA Kit; PSPN; PSP; PSPN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Persephin (PSPN) ELISA Kit has high sensitivity and excellent specificity for detection of Human PSPN. No significant cross-reactivity or interference between Human PSPN and analogues was observed.
Sequence Length	156
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 Persephin (PSPN) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PSPN elisa kit	Description: This Human Persephin (PSPN) ELISA Kit employs a two-site sandwich ELISA to quantitate PSPN in samples. An antibody specific for PSPN has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PSPN present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PSPN 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 PSPN bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Persephin is a neurotrophic factor, belonging to the GDNF family. Neurotrophic factors are important for the proper development and maintenance of the nervous system. These factors promote neuronal survival and can prevent the neuronal degeneration associated with injury, toxin exposure, or neurodegenerative disease. The encoded protein has amino acid similarity to its other family members, glial cell line-derived neurotrophic factor and neurturin. This gene product promotes the survival of ventral midbrain dopaminergic neurons in culture and prevents their degeneration after 6-hydroxydopamine treatment in vivo. Like GDNF, PSP also had effects on kidney development, as evidenced by its ability to promote ureteric bud branching.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	2935710
NCBI GeneID	5623
UniProt Accession #	O60542
NCBI Official Full Name	persephin
NCBI Official Synonym Full Names	persephin
NCBI Official Symbol	PSPN
NCBI Official Synonym Symbols	PSP
NCBI Protein Information	persephin
UniProt Protein Name	Persephin
UniProt Gene Name	PSPN
UniProt Synonym Gene Names	PSP
UniProt Entry Name	PSPN_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.