

Canine Persephin ELISA Kit | PSP elisa kit

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CATALOG #
AAA91176

REACTIVITY
Canine

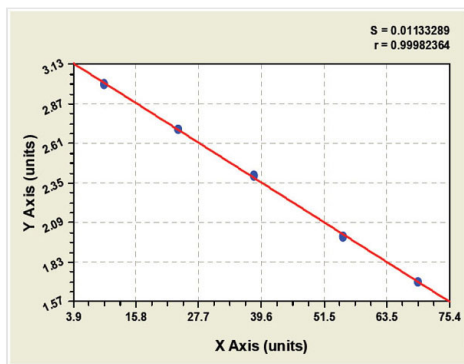
PRODUCT SYNONYMS

Persephin; Canine Persephin ELISA Kit; PSP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PSP elisa kit

Intended Uses: This PSP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine PSP. This ELISA kit for research use only!

Principle of the Assay: PSP ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PSP antibody and an PSP-HRP conjugate. The assay sample and buffer are incubated together with PSP-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PSP concentration since PSP from samples and PSP-HRP conjugate compete for the anti-PSP antibody binding site. Since the number of sites is limited, as more sites are occupied by PSP from the sample, fewer sites are left to bind PSP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PSP concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758974
NCBI GeneID	5623
NCBI Accession #	NP_004149.1
NCBI GenBank Nucleotide #	NM_004158.2
Molecular Weight	16,600 Da
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.