

Canine Dentin Sialophosphoprotein ELISA Kit | DSPP elisa kit

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CATALOG #
AAA89412

REACTIVITY
Canine

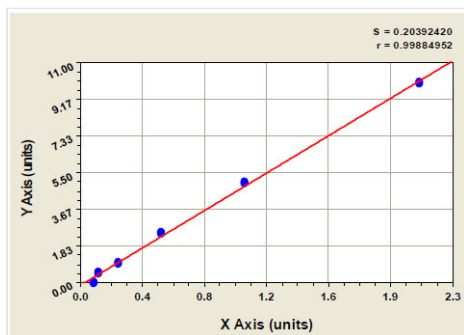
PRODUCT SYNONYMS

Dentin Sialophosphoprotein; Canine Dentin Sialophosphoprotein ELISA Kit; DSPP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This DSPP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine DSPP. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DSPP elisa kit

Principle of the assay: DSPP ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for DSPP. Standards or samples are then added to the microtiter plate wells and DSPP if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of DSPP present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for DSPP are added to each well to "sandwich" the DSPP immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain DSPP and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The DSPP concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	89001107
NCBI GeneID	1834
NCBI Accession #	NP_055023.2
NCBI GenBank Nucleotide #	NM_014208.3
Molecular Weight	131,151 Da
NCBI Official Full Name	dentin sialophosphoprotein preproprotein
NCBI Official Synonym Full Names	dentin sialophosphoprotein
NCBI Official Symbol	DSPP
NCBI Official Synonym Symbols	DPP; DSP; DGI1; DMP3; DTDP2; DFNA39
NCBI Protein Information	dentin sialophosphoprotein; dentin phosphoryn; dentin sialoprotein; dentin phosphophoryn; dentin phosphoprotein
UniProt Protein Name	Dentin sialophosphoprotein
UniProt Gene Name	DSPP
UniProt Synonym Gene Names	DPP; DSP
UniProt Entry Name	DSPP_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.