

Porcine Dentin Sialophosphoprotein ELISA Kit | DSPP elisa kit

Porcine Dentin Sialophosphoprotein ELISA Kit

CATALOG #
AAA93313

REACTIVITY
Porcine

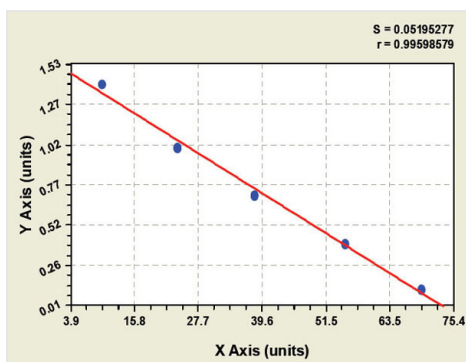
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This DSPP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine 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 competitive enzyme immunoassay technique utilizing a monoclonal anti-DSPP antibody and an DSPP-HRP conjugate. The assay sample and buffer are incubated together with DSPP-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 DSPP concentration since DSPP from samples and DSPP-HRP conjugate compete for the anti-DSPP antibody binding site. Since the number of sites is limited, as more sites are occupied by DSPP from the sample, fewer sites are left to bind DSPP-HRP conjugate. 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.

Product Categories/Family for DSPP elisa kit

Signal Transduction

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.

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Online datasheet: <https://stage.aaabiotech.com/dspp-porcine-elisa-kits/dentin-sialophosphoprotein/93313>