

Human Dentin Sialophosphoprotein ELISA Kit | DSPP elisa kit

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CATALOG #
AAA16498

REACTIVITY
Human

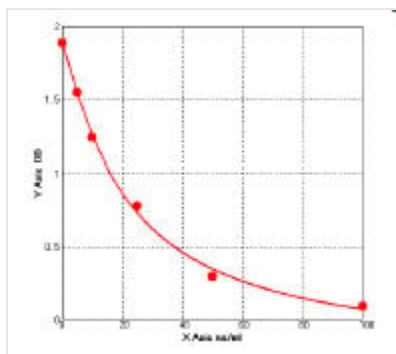
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of DSPP. No significant cross-reactivity or interference between DSPP and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between DSPP and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Intended Uses	This DSPP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human 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 polyclonal 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. Intended Uses: This DSPP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human DSPP. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
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-human-elisa-kits/dentin-sialophosphoprotein/16498>