

Human Dentin Sialophosphoprotein (DSPP) RTU ELISA Kit | DSPP rtu elisa kit

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CATALOG #
AAA70310

REACTIVITY
Human

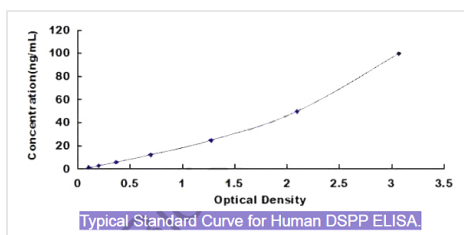
PRODUCT SYNONYMS

Dentin Sialophosphoprotein (DSPP); Human Dentin Sialophosphoprotein (DSPP) ELISA Kit; DSP; DFNA39; DGI1; DPP; DTP2; DMP3; Dentin phosphoprotein; Dentin phosphophoryn; Dentin sialoprotein; DSPP rtu 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.
Sequence Length	1301
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates or other biological fluids
Detection Range	1.56-100ng/mL
Sensitivity	< 0.55ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level DSPP were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level DSPP were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DSPP rtu elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to DSPP. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to DSPP. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain DSPP, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of DSPP in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of DSPP in human tissue homogenates, cell lysates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	89001107
NCBI GeneID	1834
NCBI Accession #	NP_055023.2
NCBI GenBank Nucleotide #	NM_014208.3
UniProt Accession #	Q9NZW4; O95815; A8MUI0
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; DFNA39
NCBI Protein Information	dentin sialophosphoprotein
UniProt Protein Name	Dentin sialophosphoprotein
UniProt Gene Name	DSPP
UniProt Synonym Gene Names	DPP; DSP

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-rtu-elisa-kits/dentin-sialophosphoprotein-dspp/70310>