

Human dentin matrix acidic phosphoprotein 1 ELISA Kit | DMP1 elisa kit

Human Dentin Matrix Protein 1, DMP1 ELISA Kit

CATALOG #
AAA80492

REACTIVITY
Human

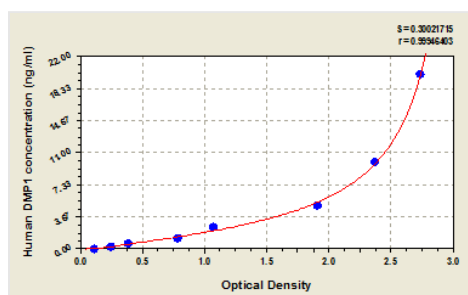
PRODUCT SYNONYMS

dentin matrix acidic phosphoprotein 1; Human Dentin Matrix Protein 1; DMP1 ELISA Kit; Human Dentin Matrix Protein 1 (DMP1) ELISA kit; ARHP; ARHR; DMP-1; dentin matrix protein 1; DMP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human DMP1. No significant cross-reactivity or interference between Human DMP1 and analogues was observed.
Sequence Length	497
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	0.312 ng/ml-20 ng/ml
Sensitivity	0.078 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Protein Biological Process 1	Biosynthesis/Metabolism
Protein Biological Process 3	Biomineralization
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DMP1 elisa kit	For samples:For the quantitative determination of human dentin matrix protein 1 (DMP1) concentrations in serum, plasma, tissue homogenates. PRINCIPLE OF THE ASSAY This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for DMP1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any DMP1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for DMP1 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of DMP1 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	121256621
NCBI GeneID	1758
NCBI Accession #	NP_001073380.1
NCBI GenBank Nucleotide #	NM_001079911.2
UniProt Accession #	Q13316; O43265; A1L4L3
Molecular Weight	55,782 Da
NCBI Official Full Name	dentin matrix acidic phosphoprotein 1 isoform 2
NCBI Official Synonym Full Names	dentin matrix acidic phosphoprotein 1
NCBI Official Symbol	DMP1
NCBI Official Synonym Symbols	ARHP; ARHR; DMP-1
NCBI Protein Information	dentin matrix acidic phosphoprotein 1; dentin matrix protein 1
UniProt Protein Name	Dentin matrix acidic phosphoprotein 1
UniProt Gene Name	DMP1
UniProt Synonym Gene Names	DMP-1; Dentin matrix protein 1
UniProt Entry Name	DMP1_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/dmp1-human-elisa-kits/dentin-matrix-acidic-phosphoprotein-1/80492>