

Chicken Dentin Matrix Protein 1 ELISA Kit | DMP1 elisa kit

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CATALOG #
AAA97433

REACTIVITY
Chicken

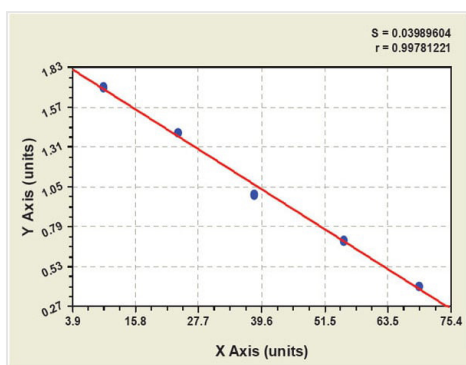
PRODUCT SYNONYMS

Dentin Matrix Protein 1; Chicken Dentin Matrix Protein 1 ELISA Kit; DMP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DMP1 elisa kit

Principle of the assay: DMP1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-DMP1 antibody and an DMP1-HRP conjugate. The assay sample and buffer are incubated together with DMP1-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 DMP1 concentration since DMP1 from samples and DMP1-HRP conjugate compete for the anti-DMP1 antibody binding site. Since the number of sites is limited, as more sites are occupied by DMP1 from the sample, fewer sites are left to bind DMP1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The DMP1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #

4758172

NCBI GeneID	1758
NCBI Accession #	NP_004398.1
NCBI GenBank Nucleotide #	NM_004407.3
Molecular Weight	54,115 Da
NCBI Official Full Name	dentin matrix acidic phosphoprotein 1 isoform 1
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/dmp1-chicken-elisa-kits/dentin-matrix-protein-1/97433>