

Canine Vitamin D Binding Protein ELISA Kit | DBP elisa kit

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CATALOG #
AAA91981

REACTIVITY
Canine

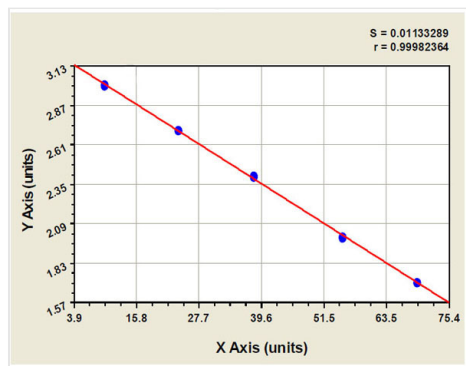
PRODUCT SYNONYMS

Vitamin D Binding Protein; Canine Vitamin D Binding Protein ELISA Kit; DBP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This DBP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine DBP. 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 DBP elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	32698607
NCBI GeneID	1463411
NCBI Accession #	NP_872522.1
NCBI GenBank Nucleotide #	NC_005038.1
Molecular Weight	38,532 Da
NCBI Official Full Name	dbp
NCBI Official Symbol	dbp
NCBI Protein Information	dbp
UniProt Protein Name	Dbp
UniProt Gene Name	dbp
UniProt Entry Name	Q7T9U7_GVAO

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/dbp-canine-elisa-kits/vitamin-d-binding-protein/91981>