

Chicken Vitamin D Binding Protein ELISA Kit | DBP elisa kit

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CATALOG #
AAA93535

REACTIVITY
Chicken

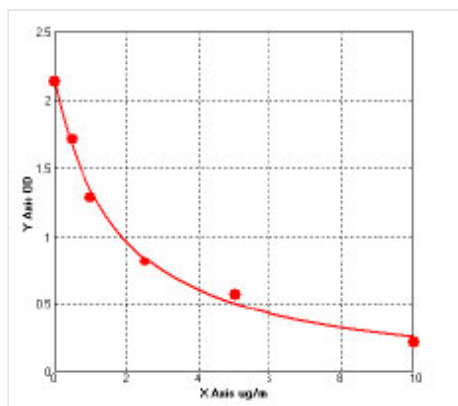
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Specificity	This assay has high sensitivity and excellent specificity for detection of VDB. No significant cross-reactivity or interference between VDB and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between VDB and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ug/mL
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DBP elisa kit	Intended Uses: This VDB ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken VDB. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: VDB ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-VDB antibody and an VDB-HRP conjugate. The assay sample and buffer are incubated together with VDB-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 VDB concentration since VDB from samples and VDB-HRP conjugate compete for the anti-VDB antibody binding site. Since the number of sites is limited, as more sites are occupied by VDB from the sample, fewer sites are left to bind VDB-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The VDB concentration in each sample is interpolated from this standard curve.
Product Categories/Family for DBP elisa kit	Metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	32698607
NCBI GeneID	1463411
NCBI Accession #	NP_872522.1
NCBI GenBank Nucleotide #	NC_005038.1
UniProt Accession #	Q7T9U7
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://www.aaabiotech.com/dbp-chicken-elisa-kits/vitamin-d-binding-protein/93535>