

Human DBP (Vitamin D Binding Protein) ELISA Kit | DBP elisa kit

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CATALOG #
AAA251154

REACTIVITY
Human

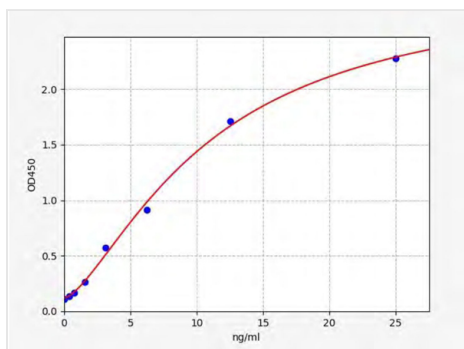
PRODUCT SYNONYMS

DBP (Vitamin D Binding Protein); Human DBP (Vitamin D Binding Protein) ELISA Kit; DBP; Vitamin D Binding Protein; DBP-MAF; Gc; Gc-MAF; VDBG; VDBP; GC; DBPVDBG; EC 6.3.1.5; Gc-globulin; gc-globulin; GRD3; /Group-specific component; group-specific component(vitamin D binding protein)/hDBP/VDB/VDBP/vitamin D-binding alpha-globulin/vitamin D-binding protein/; DBP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of DBP. No significant cross-reactivity or interference between DBP and analogues was observed.
Assay Type	Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	0.391-25ng/ml
Sensitivity	0.234ng/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DBP elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96- well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP -Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the target amount of sample captured in plate. Re ad the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	324021745
NCBI GeneID	2638
NCBI Accession #	NP_001191236.1
NCBI GenBank Nucleotide #	NM_001204307.1
UniProt Accession #	P02774; Q16309; Q16310; Q53F31; Q6GTG1; B4DPP2; D6RAK8
Molecular Weight	52,964 Da
NCBI Official Full Name	vitamin D-binding protein isoform 3
NCBI Official Synonym Full Names	group-specific component (vitamin D binding protein)
NCBI Official Symbol	GC
NCBI Official Synonym Symbols	DBP; GRD3; VDBG; VDBP; DBP/GC
NCBI Protein Information	vitamin D-binding protein; VDB; gc-globulin; vitamin D-binding alpha-globulin
UniProt Protein Name	Vitamin D-binding protein
UniProt Gene Name	GC
UniProt Synonym Gene Names	DBP; VDB
UniProt Entry Name	VTDB_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://www.aaabiotech.com/human-elisa-kits/dbp-vitamin-d-binding-protein/251154>