

Human Vitamin D Binding Protein ELISA Kit | GC elisa kit

Human Vitamin D Binding Protein (GC Globulin) ELISA Kit

CATALOG #
AAA76919

REACTIVITY
Human

PRODUCT SYNONYMS

Vitamin D Binding Protein; Human Vitamin D Binding Protein (GC Globulin) ELISA Kit; GC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Samples	Human biological samples
Preparation and Storage	Store at 4 degree C.

ADDITIONAL INFORMATION

Related Product Information for GC elisa kit	Principle of the Assay: The principle of the double antibody sandwich ELISA is represented in Figure 1. In this assay the Vitamin D binding protein (VDBP) present in samples reacts with the anti-VDBP antibodies, which have been adsorbed to the surface of polystyrene microtitre wells. After the removal of unbound proteins by washing, anti-VDBP antibodies conjugated with horseradish peroxidase (HRP) are added. These enzyme-labeled antibodies form complexes with the previously bound VDBP. Following another washing step, the enzyme bound to the immunosorbent is assayed by the addition of a chromogenic substrate, 3,3',5,5'-tetramethylbenzidine (TMB). The quantity of bound enzyme varies directly with the concentration of VDBP in the sample tested; thus, the absorbance, at 450 nm, is a measure of the concentration of VDBP in the test sample. The quantity of VDBP in the test sample can be interpolated from the standard curve constructed from the standards, and corrected for sample dilution. Intended Uses: The VDBP test kit is a highly sensitive two-site enzyme linked immunoassay (ELISA) for measuring VDBP in human biological samples. If the ELISA is to be used outside the intended use, the user may need to optimize for said use.
Product Categories/Family for GC elisa kit	ELISA Kit

NCBI AND UNIPROT INFORMATION

NCBI GI #	32483410
NCBI GeneID	2638
NCBI Accession #	NP_000574.2
NCBI GenBank Nucleotide #	NM_000583.3
UniProt Accession #	P02774 ; Q16309 ; Q16310 ; Q53F31 ; Q6GTG1 ; B4DPP2 ; Q6LDC6
Molecular Weight	52,964 Da
NCBI Official Full Name	vitamin D-binding protein isoform 1
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; OTTHUMP00000160364; OTTHUMP00000218973; OTTHUMP00000218974; OTTHUMP00000218975; vitamin D-binding alpha-globulin
UniProt Protein Name	Vitamin D-binding protein
UniProt Gene Name	GC
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/vitamin-d-binding-protein/76919>