

## Human Vitamin D-binding protein ELISA Kit | GC elisa kit

Human Vitamin D-binding protein ELISA Kit

CATALOG #  
**AAA193221**

REACTIVITY  
**Human**

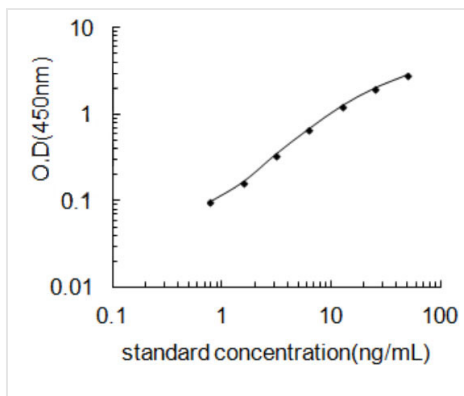
### PRODUCT SYNONYMS

Vitamin D-binding protein; Human Vitamin D-binding protein ELISA Kit; DBP; VDB; Gc-globulin; Group-specific component; GC; GC elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                 |
| Specificity             | Recombinant and natural Human Vitamin D-binding protein,DBP                           |
| Sequence Length         | 474                                                                                   |
| Samples                 | Serum, plasma, tissue homogenates, cell culture supernates or other biological fluids |
| Detection Range         | 0.78-50 ng/mL                                                                         |
| Sensitivity             | < 0.67 ng/mL                                                                          |
| Intra-assay Precision   | <=5.1%                                                                                |
| Inter-assay Precision   | <=9.4%                                                                                |
| Preparation and Storage | For long term storage, please store the entire kit at -20 degree C.                   |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for GC elisa kit | <p>Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to target antigen. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for target antigen and then avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain target antigen, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm ± 2 nm. The concentration of target antigen in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> <p>Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of target antigen concentrations in serum, plasma, tissue homogenates, cell culture supernates or other biological fluids.</p> |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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; D6RAK8 |
| Molecular Weight                 | 55,123 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; GcMAF; DBP/GC; Gc-MAF; HEL-S-51 |
| NCBI Protein Information         | vitamin D-binding protein                              |
| UniProt Protein Name             | Vitamin D-binding protein                              |
| UniProt Gene Name                | GC                                                     |
| UniProt Synonym Gene Names       | DBP-maf                                                |
| 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://stage.aaabiotech.com/gc-human-elisa-kits/vitamin-d-binding-protein/193221>