Bovine group-specific component (vitamin D binding protein) ELISA Kit | GC elisa kit

Bovine Vitamin D-binding protein, GC ELISA Kit

CATALOG #	REACTIVITY
AAA112573	**Bovine**

PRODUCT SYNONYMS

group-specific component (vitamin D binding protein); Bovine Vitamin D-binding protein; GC ELISA Kit; Bovine Vitamin D-binding protein (GC) ELISA kit; DBP; DBP/GC; GRD3; VDBG; VDBP; vitamin D-binding alpha-globulin; vitamin D-binding protein; GC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of Bovine GC. No significant cross-reactivity or interference between Bovine GC and analogues was observed.
Sequence Length	474
Samples	Serum, plasma, tissue homogenates
Assay Type	Competitive
Detection Range	0.156 ug/ml-10 ug/ml
Sensitivity	0.039 ug/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Protein Biological Process 1	Transport
Protein Biological Process 3	Transport
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GC elisa kit	**Principle of the Assay:** This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with GC. Standards or samples are added to the appropriate microtiter plate wells with Horseradish Peroxidase (HRP) conjugated antibody preparation specific for GC. The competitive inhibition reaction is launched between with pre-coated GC and GC in samples. A substrate solution is added to the wells and the color develops in opposite to the amount of GC in the samples. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	78369364
NCBI GeneID	530076
NCBI Accession #	NP_001030457.1
NCBI GenBank Nucleotide #	NM_001035380.2
UniProt Accession #	Q3MHN5
Molecular Weight	53,342 Da
NCBI Official Full Name	vitamin D-binding protein
NCBI Official Symbol	GC
NCBI Protein Information	vitamin D-binding protein; DBP; VDB; gc-globulin; vitamin D binding protein
UniProt Protein Name	Vitamin D-binding protein
UniProt Gene Name	**GC**
UniProt Synonym Gene Names	DBP; VDB
UniProt Entry Name	VTDB_BOVIN

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-bovine-ovine-elisa-kits/group-specific-component-vitamin-d-binding-protein/112573