

Bovine Vitamin D3 ELISA Kit | VDR elisa kit

Bovine Vitamin D3 receptor ELISA Kit

CATALOG #
AAA193837

REACTIVITY
Bovine

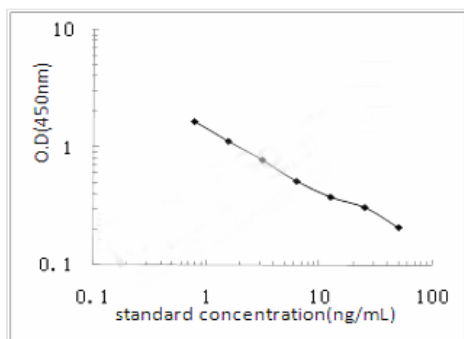
PRODUCT SYNONYMS

Vitamin D3; Bovine Vitamin D3 receptor ELISA Kit; Vitamin D3 receptor; VDR; 1; 25-dihydroxyvitamin D3 receptor; Nuclear receptor subfamily 1 group I member 1; NR1I1; VDR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay recognizes recombinant and natural Bovine VDR. No significant cross-reactivity or interference was observed.
Sequence Length	426
Samples	Serum, plasma, tissue homogenates, cell culture supernates, and other biological fluids
Assay Type	Quantitative Competitive
Detection Range	0.78-50.0 ng/mL
Sensitivity	Typically less than 0.8 ng/mL.
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 VDR elisa kit	Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of bovine VDR concentrations in serum, plasma, tissue homogenates, cell culture supernates, and other biological fluids. Principle of the Assay: The ELISA is based on the competitive binding enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antibody specific to VDR, During the reaction, VDR in the sample or standard competes with a fixed amount of biotin-labeled VDR for sites on a pre-coated Monoclonal antibody specific to VDR. Excess conjugate and unbound sample or standard are washed from the plate. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. 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 VDR in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	268840593
NCBI GeneID	533656
NCBI Accession #	NP_001161404.1
NCBI GenBank Nucleotide #	NM_001167932.1
UniProt Accession #	Q28037
Molecular Weight	48,318 Da
NCBI Official Full Name	vitamin D3 receptor
NCBI Official Symbol	VDR
NCBI Protein Information	vitamin D3 receptor
UniProt Protein Name	Vitamin D3 receptor
UniProt Gene Name	VDR
UniProt Synonym Gene Names	NR1I1; VDR
UniProt Entry Name	VDR_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/vdr-bovine-ovine-elisa-kits/vitamin-d3/193837>