

Chicken Vitamin D3 receptor (VDR) ELISA Kit | VDR elisa kit

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CATALOG #
AAA244621

REACTIVITY
Chicken

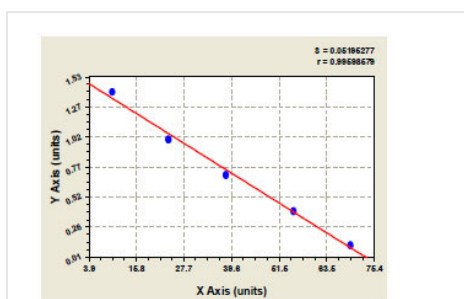
PRODUCT SYNONYMS

Vitamin D3 receptor (VDR); Chicken Vitamin D3 receptor (VDR) ELISA Kit; VDR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for VDR elisa kit

Intended Uses: This VDR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken VDR. This ELISA kit for research use only!

Principle of the Assay: VDR ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-VDR antibody and an VDR-HRP conjugate. The assay sample and buffer are incubated together with VDR-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the VDR concentration since VDR from samples and VDR-HRP conjugate compete for the anti-VDR antibody binding site. Since the number of sites is limited, as more sites are occupied by VDR from the sample, fewer sites are left to bind VDR-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The VDR concentration in each sample is interpolated from this standard curve.

Product Categories/Family for VDR elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	268840593
NCBI GeneID	533656
NCBI Accession #	NP_001161404.1
NCBI GenBank Nucleotide #	NM_001167932.1
Molecular Weight	48,318 Da
NCBI Official Full Name	vitamin D3 receptor
NCBI Official Synonym Full Names	vitamin D (1,25- dihydroxyvitamin D3) receptor<
NCBI Official Symbol	VDR
NCBI Protein Information	vitamin D3 receptor; 1,25-dihydroxyvitamin D3 receptor; nuclear receptor subfamily 1 group I member 1
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/chicken-elisa-kits/vitamin-d3-receptor-vdr/244621>