

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

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CATALOG #
AAA246456

REACTIVITY
Rat

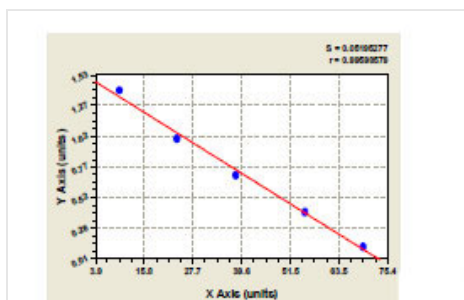
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

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

IMAGES



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 Rat 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.

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/rat-elisa-kits/vitamin-d3-receptor-vdr/246456>