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# ELISA Kit for Vitamin D Receptor (VDR)

## Catalog No: tcue3248

### Available Sizes

**Size:** 96T

### Specifications

**Research Area:**
Metabolic pathway;Endocrinology;

**Species Reactivity:**
Mus musculus (Mouse)

**Sample Type:**
tissue homogenates, cell lysates, cell culture supernates and other biological fluids

**Sensitivity:**
The minimum detectable dose of this kit is typically less than 0.134ng/mL

**Detection Range:**
0.312-20ng/mL

**Assay Time:**
3h

**Detection Method:**
Enzyme-linked immunosorbent assay for Antigen Detection.

**Tested Application:**
ELISA

**SwissProt:**
P48281

## Test Principle

The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated

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with an antibody specific to Vitamin D Receptor (VDR). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Vitamin D Receptor (VDR). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Vitamin D Receptor (VDR), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Vitamin D Receptor (VDR) in the samples is then determined by comparing the O.D. of the samples to the standard curve.