

## General VD2 (Vitamin D2) ELISA Kit | VD2 elisa kit

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CATALOG #  
**AAA275659**

REACTIVITY  
**General**

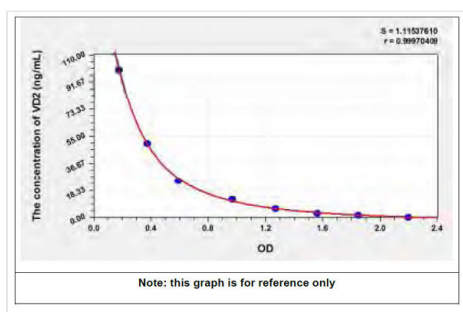
### PRODUCT SYNONYMS

VD2 (Vitamin D2); General VD2 (Vitamin D2) ELISA Kit; Ergocalciferol; Deltalin; Drisdol; Calcidol; VD2 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | General                                                                                                                                                                 |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of VD2. No significant cross-reactivity or interference between VD2 and analogues was observed. |
| Detection Range         | 1.57-100 ng/mL                                                                                                                                                          |
| Sensitivity             | 0.53 ng/mL                                                                                                                                                              |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay)?CV% < 8%. Three samples of known concentration were tested twenty times on 1 plate to assess intra-assay precision.   |
| Inter-assay Precision   | Inter-assay Precision (precision between assays)?CV% < 10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.  |
| Preparation and Storage | Store at 2-8 degree C. Stable for 6 months from date of receipt.                                                                                                        |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for VD2 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 Vitamin D2(VD2) protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Vitamin D2(VD2). Next,Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added. 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 D2(VD2) in the samples is then determined by comparing the OD of the samples to the standard curve.

#### Product Categories/Family for VD2 elisa kit

Metabolic pathway; Neuro science; Nutrition metabolism; Bone metabolism

**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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/general-elisa-kits/vd2-vitamin-d2/275659>