

VB1 (Vitamin B1) ELISA kit

This kit applies competitive inhibition ELISA method for the quantitative detection of VB1 (Vitamin B1) in various species samples. The microtiter plate provided in this kit has been pre-coated with VB1 protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to VB1. 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 \pm 10nm. The concentration of VB1 in the samples is then determined by comparing the OD of the samples to the standard curve.

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| Catalog No. | 3007916 |
| Size | 96-Wells |
| Product Category | ELISA (Quantitative) |
| Reactivity | Various |
| Sample | Serum; Plasma; Other Biological Fluids |
| Assay Method | Competitive Inhibition ELISA |
| Assay Duration | 2 hours |
| Sensitivity | 1.63 ng/mL |
| Standard Curve Range | 4.69-300 ng/mL |
| Storage/Stability | -20°C/1 year; 4°C/6 months |