

## Porcine Vitamin B1 ELISA Kit | VB1 elisa kit

Porcine Vitamin B1 ELISA Kit

CATALOG #  
**AAA95645**

REACTIVITY  
**Porcine**

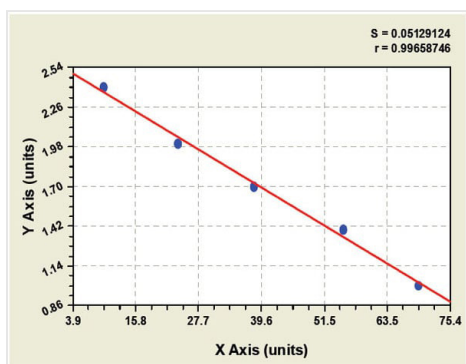
### PRODUCT SYNONYMS

Vitamin B1; Porcine Vitamin B1 ELISA Kit; VB1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Porcine                                                                                                                                                                                |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                             |
| Detection Range         | 25-500ng/mL                                                                                                                                                                            |
| Sensitivity             | 1.0ng/mL                                                                                                                                                                               |
| Intended Uses           | This VB1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine VB1. This ELISA kit for research use only, not for therapeutic applications  |
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| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                    |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for VB1 elisa kit

**Principle of the Assay:** VB1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-VB1 antibody and an VB1-HRP conjugate. The assay sample and buffer are incubated together with VB1-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 VB1 concentration since VB1 from samples and VB1-HRP conjugate compete for the anti-VB1 antibody binding site. Since the number of sites is limited, as more sites are occupied by VB1 from the sample, fewer sites are left to bind VB1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The VB1 concentration in each sample is interpolated from this standard curve.

**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://www.aaabiotech.com/vb1-porcine-elisa-kits/vitamin-b1/95645>