

## Mouse Vitamin B12, VB12 ELISA Kit | VB12 elisa kit

Mouse Vitamin B12, VB12 ELISA Kit

CATALOG #  
**AAA80265**

REACTIVITY  
**Mouse**

### PRODUCT SYNONYMS

Vitamin B12; VB12; Mouse Vitamin B12; VB12 ELISA Kit; VB12 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                                                 |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of mouse VB12. No significant cross-reactivity or interference between mouse VB12 and analogues was observed. |
| Assay Type              | Competitive                                                                                                                                                                           |
| Samples                 | Serum, plasma                                                                                                                                                                         |
| Detection Range         | 0.78 pg/ml-50 pg/ml                                                                                                                                                                   |
| Sensitivity             | < 0.749 pg/ml                                                                                                                                                                         |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.                                      |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.                                               |
| Preparation and Storage | Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.                                                     |

### ADDITIONAL INFORMATION

#### Related Product Information for VB12 elisa kit

Principle of the Assay: This assay employs the direct competitive inhibition enzyme immunoassay technique. Antibody specific for VB12 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells with biotin-conjugated VB12. A competitive inhibition reaction is launched between VB12 (Standards or samples) and biotin-conjugated VB12 with the pre-coated VB12 antibody. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound reagent, a substrate solution is added to the wells and color develops in opposite to the amount of VB12 bound in the initial step. The color development is stopped and the intensity of the color is measured.

**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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