

Human Vitamin B12 ELISA Kit | VB12 elisa kit

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CATALOG #
AAA16465

REACTIVITY
Human

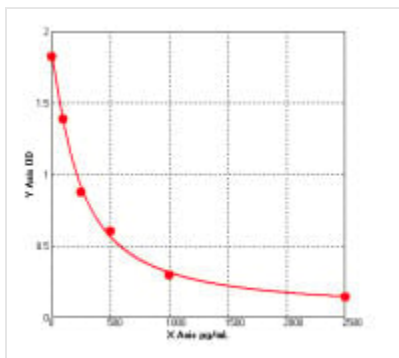
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of VB12. No significant cross-reactivity or interference between VB12 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between VB12 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for VB12 elisa kit	Principle of the Assay: VB12 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-VB12 antibody and an VB12-HRP conjugate. The assay sample and buffer are incubated together with VB12-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 VB12 concentration since VB12 from samples and VB12-HRP conjugate compete for the anti-VB12 antibody binding site. Since the number of sites is limited, as more sites are occupied by VB12 from the sample, fewer sites are left to bind VB12-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The VB12 concentration in each sample is interpolated from this standard curve. Intended Uses: This VB12 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human VB12. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
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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://stage.aaabiotech.com/vb12-human-elisa-kits/vitamin-b12/16465>