

Human vitamin B3 ELISA Kit | VB3 elisa kit

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CATALOG #
AAA247650

REACTIVITY
Human

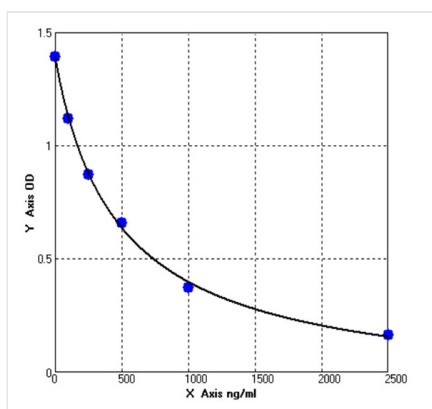
PRODUCT SYNONYMS

vitamin B3; Human vitamin B3 ELISA Kit; VB3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of VB3. No significant cross-reactivity or interference between VB3 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between VB3 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 ng/mL
Intra-Assay	CV<10%
Inter-Assay	CV<15%
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for VB3 elisa kit	Principle of the Assay: VB3 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-VB3 antibody and an VB3-HRP conjugate. The assay sample and buffer are incubated together with VB3-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 VB3 concentration since VB3 from samples and VB3-HRP conjugate compete for the anti-VB3 antibody binding site. Since the number of sites is limited, as more sites are occupied by VB3 from the sample, fewer sites are left to bind VB3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The VB3 concentration in each sample is interpolated from this standard curve. Intended Uses: This VB3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human VB3. This ELISA kit for research use only, not for therapeutic or test 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/vb3-human-elisa-kits/vitamin-b3/247650>