

Canine Vitamin B1 ELISA Kit | VB1 elisa kit

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CATALOG #
AAA93954

REACTIVITY
Canine

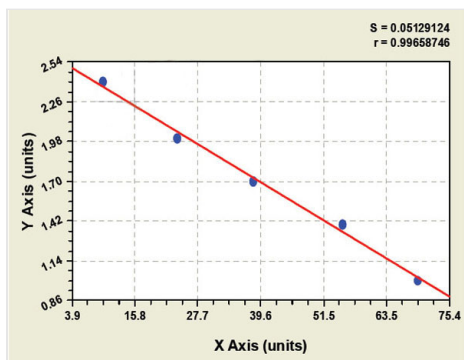
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
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 Canine 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.
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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://www.aaabiotech.com/vb1-canine-elisa-kits/vitamin-b1/93954>