

Canine E3 estradiol ELISA Kit | E3 elisa kit

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CATALOG #
AAA92412

REACTIVITY
Canine

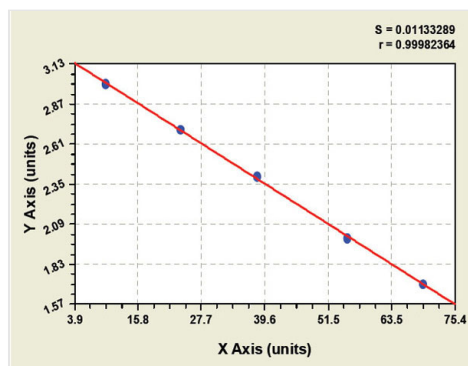
PRODUCT SYNONYMS

E3 estradiol; Canine E3 estradiol ELISA Kit; E3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This E3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine E3. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for E3 elisa kit

Principle of the Assay: E3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-E3 antibody and an E3-HRP conjugate. The assay sample and buffer are incubated together with E3-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 E3 concentration since E3 from samples and E3-HRP conjugate compete for the anti-E3 antibody binding site. Since the number of sites is limited, as more sites are occupied by E3 from the sample, fewer sites are left to bind E3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The E3 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://stage.aaabiotech.com/canine-elisa-kits/e3-estradiol/92412>