

Canine Leukotriene E4 ELISA Kit | LT-E4 elisa kit

Canine Leukotriene E4 ELISA Kit

CATALOG #
AAA95894

REACTIVITY
Canine

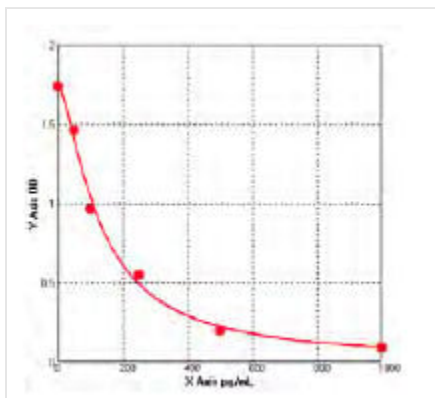
PRODUCT SYNONYMS

Leukotriene E4; Canine Leukotriene E4 ELISA Kit; LT-E4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of LTE4. No significant cross-reactivity or interference between LTE4 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between LTE4 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
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 LT-E4 elisa kit	Intended Uses: This LTE4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine LTE4. This ELISA kit for research use only! Principle of the Assay: LTE4 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-LTE4 antibody and an LTE4-HRP conjugate. The assay sample and buffer are incubated together with LTE4-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 LTE4 concentration since LTE4 from samples and LTE4-HRP conjugate compete for the anti-LTE4 antibody binding site. Since the number of sites is limited, as more sites are occupied by LTE4 from the sample, fewer sites are left to bind LTE4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LTE4 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for LT-E4 elisa kit	Immunology

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/lt-e4-canine-elisa-kits/leukotriene-e4/95894>