

Canine Kappa immunoglobulin light chain ELISA Kit | K-IgLC elisa kit

Canine Kappa immunoglobulin light chain ELISA Kit

CATALOG #
AAA95435

REACTIVITY
Canine

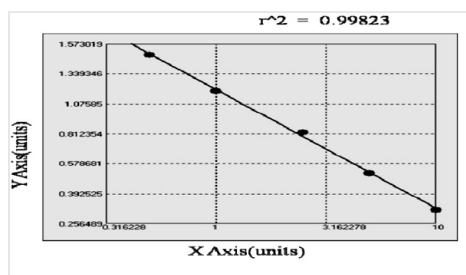
PRODUCT SYNONYMS

Kappa immunoglobulin light chain; Canine Kappa immunoglobulin light chain ELISA Kit; K-IgLC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of Ig-LCkappa. No significant cross-reactivity or interference between Ig-LCkappa and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between Ig-LCkappa 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 ug/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for K-IgLC elisa kit

Principle of the Assay: Ig-LCkappa ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-Ig-LCkappa antibody and an Ig-LCkappa -HRP conjugate. The assay sample and buffer are incubated together with Ig-LCkappa -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 Ig-LCkappa concentration since Ig-LCkappa from samples and Ig-LCkappa -HRP conjugate compete for the anti-Ig-LCkappa antibody binding site. Since the number of sites is limited, as more sites are occupied by Ig-LCkappa from the sample, fewer sites are left to bind Ig-LCkappa -HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Ig-LCkappa concentration in each sample is interpolated from this standard curve.

Intended Uses: This Ig-LCkappa ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine Ig-LCkappa. This ELISA kit for research use only, not for therapeutic or test applications!

NCBI AND UNIPROT INFORMATION

NCBI GI #	306976
NCBI Official Full Name	kappa-immunoglobulin, partial

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/k-iglc-canine-elisa-kits/kappa-immunoglobulin-light-chain/95435>