

Human Kappa immunoglobulin light chain ELISA Kit | K IgLC elisa kit

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CATALOG #
AAA85348

REACTIVITY
Human

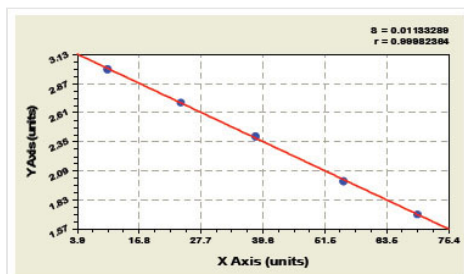
PRODUCT SYNONYMS

Kappa immunoglobulin light chain; Human Kappa immunoglobulin light chain ELISA Kit; K IgLC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000 ug/mL
Sensitivity	1.0ug/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

For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

INTENDED USE This IgK-LC ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human IgK-LC. This ELISA kit for research use only!

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

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.

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Online datasheet: <https://stage.aaabiotech.com/k-iglc-human-elisa-kits/kappa-immunoglobulin-light-chain/85348>