

Canine Ferritin Light Polypeptide ELISA Kit | FTL elisa kit

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CATALOG #
AAA88372

REACTIVITY
Canine

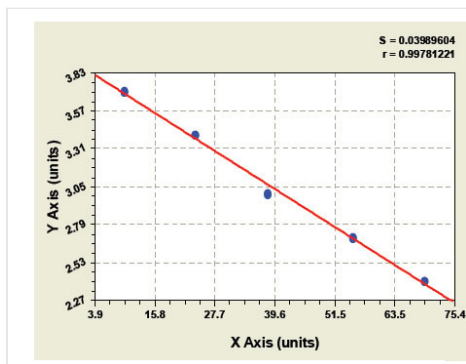
PRODUCT SYNONYMS

Ferritin Light Polypeptide; Canine Ferritin Light Polypeptide ELISA Kit; FTL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This FTL ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine FTL. 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 FTL elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	171702853
Molecular Weight	10,346 Da
NCBI Official Full Name	ferritin light polypeptide, partial
UniProt Protein Name	Ferritin
UniProt Gene Name	FTL
UniProt Entry Name	B1Q3B3_HUMAN

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/ftl-canine-elisa-kits/ferritin-light-polypeptide/88372>