

Rat Ferritin Light Polypeptide ELISA Kit | FTL elisa kit

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CATALOG #
AAA87220

REACTIVITY
Rat

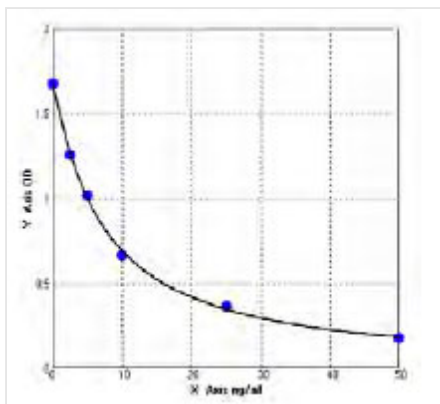
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of FTL. No significant cross-reactivity or interference between FTL and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between FTL 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 or Sandwich
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FTL elisa kit	Intended Uses: This FTL ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat FTL. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: FTL ELISA kit applies the competitive enzyme immunoassay technique utilizing an 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.
Product Categories/Family for FTL elisa kit	Neurobiology

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-rat-elisa-kits/ferritin-light-polypeptide/87220>