

Bovine Ferritin, Light Polypeptide (FTL) ELISA Kit | FTL elisa kit

Cattle Ferritin, Light Polypeptide (FTL) ELISA Kit

CATALOG #
AAA148613

REACTIVITY
Bovine

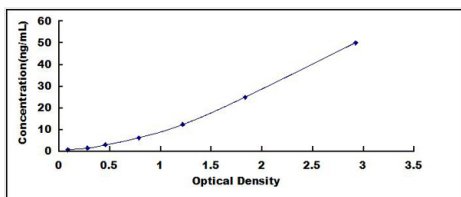
PRODUCT SYNONYMS

Ferritin; Light Polypeptide (FTL); Cattle Ferritin; Light Polypeptide (FTL) ELISA Kit; Ferritin Light Chain; Ferritin Light Polypeptide-Like 3; L Apoferritin; Ferritin L Subunit; FTL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of Ferritin, Light Polypeptide (FTL). No significant cross-reactivity or interference between Ferritin, Light Polypeptide (FTL) and analogues was observed.
Sequence Length	175
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	7.8-500ng/mL
Sensitivity	3.2ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Ferritin, Light Polypeptide (FTL) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Ferritin, Light Polypeptide (FTL) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FTL elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Ferritin, Light Polypeptide (FTL). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Ferritin, Light Polypeptide (FTL). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Ferritin, Light Polypeptide (FTL), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Ferritin, Light Polypeptide (FTL) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for FTL elisa kit	Metabolic pathway

NCBI AND UNIPROT INFORMATION

NCBI GI #	27807407
NCBI GeneID	286861
NCBI Accession #	NP_777217.1
NCBI GenBank Nucleotide #	NM_174792.4
UniProt Accession #	O46415; Q3ZBZ3; Q53YP3
Molecular Weight	19,988 Da
NCBI Official Full Name	ferritin light chain
NCBI Official Symbol	FTL
NCBI Protein Information	ferritin light chain
UniProt Protein Name	Ferritin light chain
UniProt Gene Name	FTL
UniProt Synonym Gene Names	Ferritin L subunit

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.