

Rat Ferritin Heavy Polypeptide ELISA Kit | FTH elisa kit

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CATALOG #
AAA84650

REACTIVITY
Rat

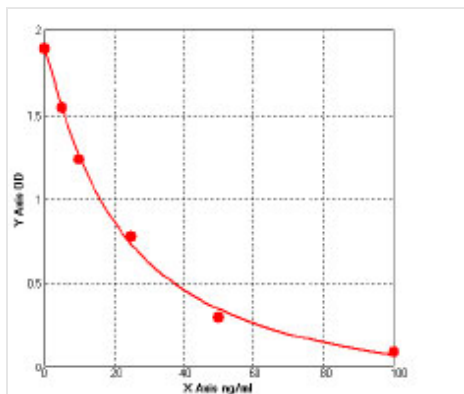
PRODUCT SYNONYMS

Ferritin Heavy Polypeptide; Rat Ferritin Heavy Polypeptide ELISA Kit; FTH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of FTH. No significant cross-reactivity or interference between FTH and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between FTH 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
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FTH elisa kit	Intended Uses: This FTH ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat FTH. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: FTH ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-FTH antibody and an FTH-HRP conjugate. The assay sample and buffer are incubated together with FTH-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 FTH concentration since FTH from samples and FTH-HRP conjugate compete for the anti-FTH antibody binding site. Since the number of sites is limited, as more sites are occupied by FTH from the sample, fewer sites are left to bind FTH-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The FTH concentration in each sample is interpolated from this standard curve.
Product Categories/Family for FTH elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	119594407
NCBI GeneID	2495
Molecular Weight	21,226 Da
NCBI Official Full Name	ferritin, heavy polypeptide 1, isoform CRA_a
NCBI Official Synonym Full Names	ferritin, heavy polypeptide 1
NCBI Official Symbol	FTH1
NCBI Official Synonym Symbols	FHC; FTH; HFE5; PLIF; FTHL6; PIG15
NCBI Protein Information	ferritin heavy chain; apoferritin; ferritin H subunit; placenta immunoregulatory factor; proliferation-inducing protein 15; cell proliferation-inducing gene 15 protein
UniProt Protein Name	Ferritin heavy chain
UniProt Gene Name	FTH1
UniProt Synonym Gene Names	FTH; FTHL6; OK/SW-cl.84; PIG15; Ferritin H subunit
UniProt Entry Name	FRIH_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/fth-rat-elisa-kits/ferritin-heavy-polypeptide/84650>