

Goat Ferritin Heavy Polypeptide ELISA Kit | FTH elisa kit

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CATALOG #
AAA89749

REACTIVITY
Goat

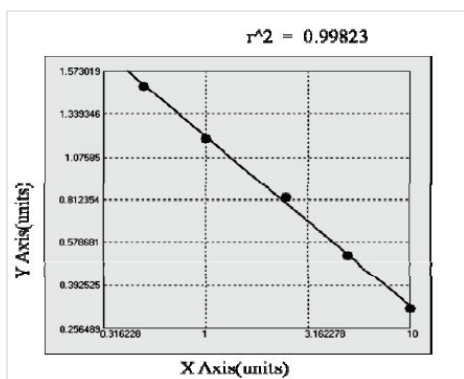
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Goat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This FTH ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat FTH. 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 FTH elisa kit

Principle of the assay: FTH ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/fth-goat-elisa-kits/ferritin-heavy-polypeptide/89749>