

Human ferritin, heavy polypeptide 1 ELISA Kit | FTH1 elisa kit

Human Ferritin, Heavy Polypeptide, FTH ELISA Kit

CATALOG #
AAA15783

REACTIVITY
Human

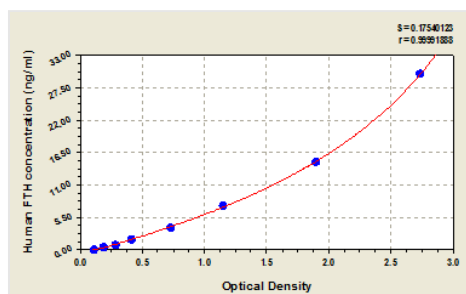
PRODUCT SYNONYMS

ferritin; heavy polypeptide 1; Human Ferritin; Heavy Polypeptide; FTH ELISA Kit; Heavy Polypeptide (FTH) ELISA Kit; FHC; FTH; FTHL6; MGC104426; PIG15; PLIF; apoferritin; placenta immunoregulatory factor; proliferation-inducing protein 15; FTH1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human FTH. No significant cross-reactivity or interference between human FTH and analogues was observed.
Sequence Length	183
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, cell culture supernates, tissue homogenates
Detection Range	0.45 ng/ml-30 ng/ml
Sensitivity	< 0.11 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FTH1 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for FTH has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any FTH present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for FTH is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of FTH bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	56682959
NCBI GeneID	2495
NCBI Accession #	NP_002023.2
NCBI GenBank Nucleotide #	NM_002032.2
UniProt Accession #	P02794; Q3KRA8; Q3SWW1; B3KNR5
Molecular Weight	21,226 Da
NCBI Official Full Name	ferritin heavy chain
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.