

Sheep Ferritin ELISA Kit | FTH1 elisa kit

Sheep Ferritin heavy chain (FTH1) ELISA Kit

CATALOG #
AAA55921

REACTIVITY
Sheep

PRODUCT SYNONYMS

Ferritin; Sheep Ferritin heavy chain (FTH1) ELISA Kit; FHC; FTH; FTHL6; MGC104426; PIG15; PLIF; apoferritin[placenta immunoregulatory factor]proliferation-inducing protein 15; FTH1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Specificity	This assay has high sensitivity and excellent specificity for detection of Sheep FTH1. No significant cross-reactivity or interference between Sheep FTH1 and analogues was observed.
Sequence Length	121
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	0.625 ng/mL - 40 ng/mL
Sensitivity	0.31 ng/mL (mean of 6 independent assays)
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for FTH1 elisa kit

Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate FTH1 in Sheep serum, plasma, tissue homogenates. An antibody specific for FTH1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any FTH1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin- conjugated antibody specific for FTH1 is added to the wells. After washing, Streptavidin 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 FTH1 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Intended Uses: For the quantitative detection of Sheep Ferritin heavy chain (FTH1) concentration in serum, plasma, tissue homogenates and other biological fluids.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1706908
NCBI GeneID	443355
UniProt Accession #	P18685
Molecular Weight	20,063 Da

NCBI Official Full Name	Ferritin heavy chain
NCBI Official Symbol	FTH1
NCBI Protein Information	ferritin heavy chain
UniProt Protein Name	Ferritin heavy chain
UniProt Gene Name	FTH1
UniProt Synonym Gene Names	FTH; Ferritin H 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.

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Online datasheet: <https://www.aaabiotech.com/fth1-sheep-elisa-kits/ferritin/55921>