Ferritin Heavy Poly (FTH) ELISA Kit for Hamster

PRODUCT OVERVIEW

Product Name	Ferritin Heavy Polypeptide (FTH), ELISA Kit
Full Product Name	Hamster Ferritin Heavy Polypeptide ELISA Kit
Product Gene Name	FTH elisa kit
Species Reactivity	Hamster
Assay Type	Sandwich
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	20,526 Da
3D Structure	ModBase 3D Structure for P49948
Related Product Information for FTH elisa kit	MBS037619 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Ferritin Heavy Polypeptide (FTH) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing FTH. The ELISA analytical biochemical technique of the MBS037619 kit is based on FTH antibody-FTH antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect FTH antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, FTH. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of FTH elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FTH. It may not necessarily be applicable to this product.

NCBI GI #	148226276
NCBI GeneID	399281
NCBI Accession #	NP_001084057.1
UniProt Primary Accession #	P49948
UniProt Related Accession #	P49948
GenBank Nucleotide #	NM_001090588.1
NCBI Official Full Name	ferritin heavy chain A
NCBI Official Synonym Full Names	ferritin, heavy polypeptide 1
NCBI Official Symbol	fth1-a
NCBI Official Synonym Symbols	fhc; fth; fth1; plif; fthl6; ftn-2; pig15; ferritin; apoferritin
UniProt Protein Name	Ferritin heavy chain A
UniProt Synonym Protein Names	Ferritin heavy chain 2 (EC:1.16.3.1); XL2-17
Protein Family	Ferritin heavy polypeptide
UniProt Gene Name	fth1-a

UniProt Synonym Gene Names	Ferritin H subunit A
UniProt Entry Name	FRIHA_XENLA
NCBI Protein Information	ferritin heavy chain A; XL2-17; ferritin H subunit A; ferritin heavy chain 2
UniProt Comments for FTH	Function: Stores iron in a soluble, non-toxic, readily available form. Important for iron homeostasis. Has ferroxidase activity. Iron is taken up in the ferrous form and deposited as ferric hydroxides after oxidation By similarity. Catalytic activity: 4 Fe2+ + 4 H+ + O2 = 4 Fe3+ + 2 H2O. Subunit structure: Oligomer of 24 subunits. The functional molecule is roughly spherical and contains a central cavity into which the polymeric mineral iron core is deposited By similarity. Miscellaneous: There are three types of ferritin subunits in amphibia: L, M and H chains. M and H chains are fast mineralizing; the L chain is very slow mineralizing By similarity. Sequence similarities: Belongs to the ferritin family.Contains 1 ferritin-like diiron domain.
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