

Human Ferritin light chain Antibody Pair Kit | FTL antibody pair kit

Ferritin light chain Matched ELISA Antibody Pair Set, Human

CATALOG #
AAA257807

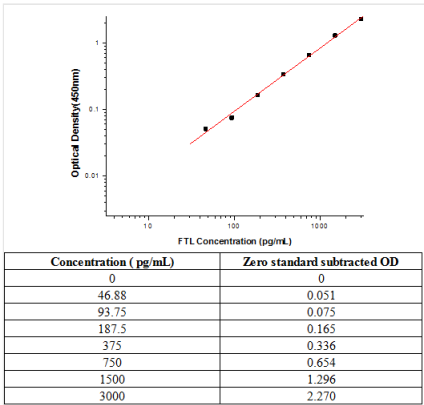
REACTIVITY
Human

PRODUCT SYNONYMS

Ferritin light chain; Ferritin light chain Matched ELISA Antibody Pair Set; Human; Human FTL/ferritin; light polypeptide ELISA Pair Set; LFTD Matched ELISA Antibody Pair Set; MGC71996 Matched ELISA Antibody Pair Set; NBIA3 Matched ELISA Antibody Pair Set; ferritin; light polypeptide; FTL antibody pair kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Quantitative determination of Human Ferritin light chain
Assay Type	Solid Phase Sandwich ELISA
Assay Range	46.88-3000pg/ml
Sensitivity	46.88pg/ml
Product Overview	This Ferritin light chain Matched ELISA Antibody Pair Set, Human is a solid phase sandwich ELISA for quantitative determination of Human Ferritin light chain. It contains Human Ferritin light chain capture antibody, Human Ferritin light chain detector antibody (HRP) and a highly purified recombinant Human Ferritin light chain protein. This Pair Set is at affordable price for researchers.
Materials Provided	1. Capture Antibody 0.25mg/mL of mouse anti-Human FTL/ferritin, light polypeptide monoclonal antibody (in PBS, pH7.4). Dilute to a working concentration of 2ug/mL in PBS before coating. 2. Detection Antibody 0.2mg/mL of rabbit anti-Human FTL/ferritin, light polypeptide polyclonal antibody conjugated to horseradish-peroxidase (HRP)(in PBS, 50 % HRP-Protector, pH7.4, store at 4 degree C). Dilute to working concentration of 1ug/mL in detection antibody dilution buffer before use. 3. Standard Each vial contains 20ng of recombinant Human FTL/ferritin, light polypeptide. Reconstitute with 1 mL detection antibody dilution buffer. After reconstitution, store at -20 degree C to -80 degree C in a manual defrost freezer. A seven-point standard curve using 2-fold serial dilutions in sample dilution buffer, and a high standard of 3000pg/mL is recommended.
Preparation and Storage	Capture Antibody: Aliquot and store at -20 degree C to -80 degree C for up to 6 months from date of receipt. Avoid repeated freeze-thaw cycles. Detection Antibody: Store at 4 degree C and protect it from prolonged exposure to light for up to 6 months from date of receipt. DO NOT FREEZE! Standard: Store lyophilized standard at -20 degree C to -80 degree C for up to 6 months from date of receipt. Aliquot and store the reconstituted Standard at -80 degree C for up to 1 month. Avoid repeated freeze-thaw cycles.



Application Data

ADDITIONAL INFORMATION

Related Product Information for FTL antibody pair kit	Background: Ferritin, light polypeptide (FTL) is the light subunit of the ferritin protein. Ferritin is the major intracellular iron storage protein in prokaryotes and eukaryotes. It is composed of 24 subunits of the heavy and light ferritin chains. Storage of iron in the tissues occurs in the form of ferritin and hemosiderin. The latter originates from ferritin that has undergone intracellular digestion of its protein shell, leaving the iron core. Ferritin and hemosiderin are components of a continuum. Ferritin has been identified in all types of living organisms: animals, plants, molds, and bacteria. Whithin the protein shell of ferritin, iron is first oxidized to the ferric state for storage as ferric oxyhydroxide. Thus, ferritin removes excess iron from the cell sap where it could otherwise participate in peroxidation mechanisms.
References	Munro HN, et al. (1988) The ferritin genes: structure, expression, and regulation. Ann N Y Acad Sci. 526: 113-23.Zhang Y, et al. (2008) Comparative proteomic analysis of human placenta derived from assisted reproductive technology. Proteomics. 8 (20): 4344-56.Lebo RV, et al. (1986) Human ferritin light chain gene sequences mapped to several sorted chromosomes. Hum Genet. 71 (4): 325-8.

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.