Sheep Ferritin heavy chain (FTH1) ELISA Kit

Catalog No: #EK11253

Package Size: #EK11253-1 48T #EK11253-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Sheep Ferritin heavy chain (FTH1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Sheep (Ovis aries)
Other Names	FHC; FTH; FTHL6; MGC104426; PIG15; PLIF; apoferritin|placenta immunoregulatory factor|proliferation-inducing protein 15
Accession No.	P18685
Uniprot	P18685
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:31.25-2000 pg/mL

Sensitivity:12.9 pg/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate FTH1 in samples. An antibody specific for FTH1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyFTH1 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.Product Overview:Ferritin heavy chain is a heavy subunit of ferritin, the major intracellular iron storage protein in prokaryotes and eukaryotes. It is composed of 24 subunits of the heavy and light ferritin chains. Variation in ferritin subunit composition may affect the rates of iron uptake and release in different tissues. A major function of ferritin is the storage of iron in a soluble and nontoxic state. Defects in ferritin proteins are associated with several neurodegenerative diseases. This gene has multiple pseudogenes. Several alternatively spliced transcript variants have been observed, but their biological validity has not been determined.The functionality of the gene was demonstrated by the fact that both transient transfectants and stable transformants of mouse fibroblasts actively transcribed human ferritin heavy-chain mRNA.

Note: This product is for in vitro research use only