

**AR05046PU-N****Human Ferritin (Liver) - Purified**

<b>Alternate names:</b>	FTH, FTL, Ferritin H subunit, Ferritin L subunit
<b>Quantity:</b>	1 mg
<b>Concentration:</b>	1.0mg/ml
<b>Background:</b>	<p>Ferritin is a ubiquitous and highly conserved protein which plays a major role in iron homeostasis by sequestering and storing iron in a non-toxic and soluble form. It forms a holoenzyme of ~450 kDa, consisting of 24 subunits of two types, H (heavy; 21 kDa) and L (light; 19 kDa), and is capable of storing up to 4,500 atoms of ferric iron. Depending on the tissue type and physiological status of the cell, the ratio of H to L subunits in ferritin can vary widely. Ferritin is found in the liver, spleen, kidney and heart, with smaller amounts being found in blood. Serum ferritin levels serve as an indicator of the amount of iron stored in the body. Serum ferritin is the most sensitive test for anaemia, and is also used as a marker for restless leg syndrome, hemochromatosis and porphyria. As ferritin is an acute-phase reactant, it is often elevated during infection. Defects in ferritin proteins are associated with several neurodegenerative diseases.</p>
<b>Species:</b>	Human
<b>Source:</b>	Human
<b>Format:</b>	<b>State:</b> Liquid purified protein <b>Purity:</b> Multiple purification steps - SDS PAGE: >96% <b>Buffer System:</b> Phosphate buffered saline containing 0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Applications:</b>	Flow Cytometry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Description:</b>	Native Ferritin from human liver.
<b>Storage:</b>	Store the protein undiluted at 2-8°C. DO NOT FREEZE! Shelf life: one year from despatch.
<b>Caution:</b>	(A full Health and Safety assessment is available upon request) The donors were found to be negative for HBsAg, HCV, HIV 1 and 2, syphilis and HIV 1 antigen by FDA approved methods. As no method can offer complete assurance treat as if capable of transmitting disease.  This product contains Sodium Azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
<b>General Readings:</b>	1. Addison, J. M. et al. (1983) The Amino Sequence of Human Liver Apoferritin. FEBS Letts 164: 139 - 144.