

## Product datasheet for **AM26062PU-N**

### Ferritin Mouse Monoclonal Antibody [Clone ID: mAb 44]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	mAb 44
Applications:	ELISA, IHC
Recommended Dilution:	Immunohistochemistry on frozen sections: 0.5 µg/ml (1:800). Has been described to work in ELISA. Suggested positive control: Human tonsil.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Ferritin from human spleen and liver
Specificity:	This antibody recognizes ferritin.
Formulation:	Stock solution contains 0.4mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 10mg/ml bovine serum albumin (BSA) as a stabilizer and 0.01% thimerosal as a preservative State: Aff - Purified State: Lyophilized Ig fraction
Reconstitution Method:	Reconstitute by adding 0.5ml distilled water.
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution store (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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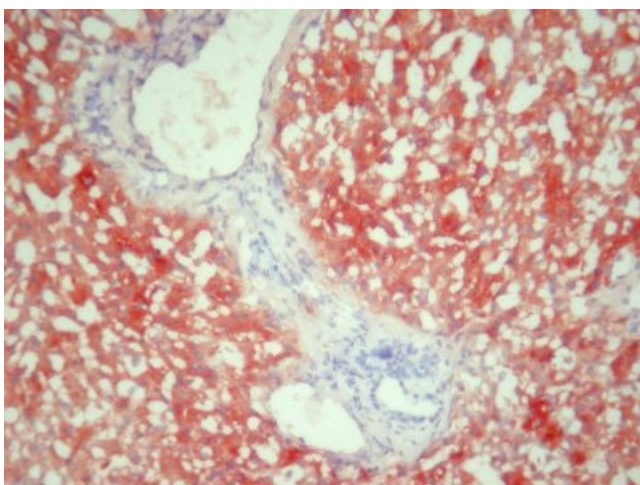
**Background:**

Ferritin consists of a mineral core of hydrated ferric oxide, and a multi-subunit protein shell which englobes the former and assures its solubility in an aqueous environment. It is mainly localized intracellularly in cells of the reticuloendothelial system as well as in liver, spleen and bone marrow. Elevated serum levels are found in patients with iron overload and in other diseases such as pernicious anaemia, chronic inflammations such as rheumatoid arthritis (RA), hepatocellular carcinoma and Hodgkin's disease.

Ferritin consists of two components, the apoferritin and the iron core (FeIII - hydroxyphosphate-micelle). The apoferritin is a globular protein built up of 24 subunits that can bind up to 4500 iron atoms. Other non-ferrous metal ions such as Al or Be can also bind to ferritin, which acts partly as a metal ion detoxicant.

**Synonyms:**

FTH, FTL, Ferritin H subunit, Ferritin L subunit

**Product images:**


Immunohistochemistry on frozen sections:  
Staining of human liver with AM26062PU-N