

Datasheet for ABIN781724

anti-Ferritin antibody



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1 Image

Overview

Quantity:	0.2 mg
Target:	Ferritin (FE)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Ferritin antibody is un-conjugated
Application:	Enzyme Immunoassay (EIA), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	Ferritin from human spleen and liver
Clone:	MAb 44
Isotype:	IgG1
Cross-Reactivity (Details):	Species reactivity (tested):Human
Purification:	Affinity chromatography

Target Details

Target:	Ferritin (FE)
Alternative Name:	Ferritin (FE Products)
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

Target Details

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

Pathways: [Transition Metal Ion Homeostasis](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Reconstitution: Reconstitute by adding 0.5 mL distilled water.

Buffer: Stock solution contains 0.4 mg/mL IgG, phosphate buffered saline pH 7.2 (PBS), 10 mg/mL bovine serum albumin (BSA) as a stabilizer and 0.01 % thimerosal as a preservative

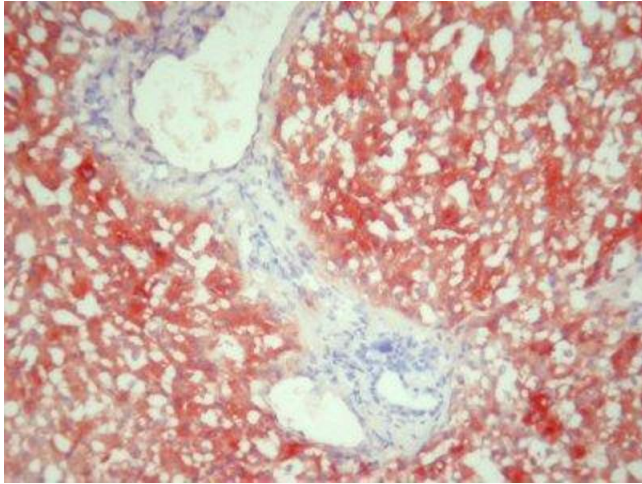
Preservative: Thimerosal (Merthiolate)

Precaution of Use: This product contains thimerosal (merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Prior to reconstitution store at 2-8 °C. Following reconstitution store (in aliquots) at -20 °C.



Immunohistochemistry

Image 1.