Datasheet for ABIN263731

anti-Ferritin antibody (Heavy & Light Chain)

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Overview

Quantity:	1 mg
Target:	Ferritin (FE)
Binding Specificity:	Heavy & Light Chain
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Ferritin antibody is un-conjugated
Application:	Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Ferritin isolated from human liver
Clone:	057-10030
Isotype:	IgG1
Characteristics:	Synonyms: Ferritin H subunit, Ferritin L subunit, FTL, FTH
Purification:	Protein A Chromatography. Product is 0.2 µm filtered.

Target Details

Target:	Ferritin (FE)
Alternative Name:	Ferritin (FE Products)
Background:	Ferritin is a ubiquitous and highly conserved protein which plays a major role in iron

Target Details

	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.Synonyms: FTH, FTL, Ferritin H subunit, Ferritin L subunit
Pathways:	Transition Metal Ion Homeostasis

Application Details

Application Notes:	ELISA. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Concentration:	5.2 mg/mL (OD280nm, E0.1% = 1.4)
Buffer:	10 mM Phosphate, pH 7.4 containing 150 mM Sodium Chloride and 0.09 % Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one week or (in aliquots) at -40 °C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
Expiry Date:	12 months