

Datasheet for ABIN492689

anti-Ferritin antibody (Heavy & Light Chain)[Go to Product page](#)

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), ELISA (Capture), ELISA (Detection)

Product Details

Immunogen:	Ferritin from Human Spleen
Clone:	090-12710
Isotype:	IgG1
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 homeostasis by sequestering and storing iron in a non-toxic and soluble form. It forms a

Target Details

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: Suitable for use in ELISA. Recommended Pairs for Sandwich Immunoassay Capture/Detection: ABIN492689 / ABIN263729 ABIN492689 / ABIN263732 ABIN492689 / ABIN263730 ABIN263731 / ABIN492689
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Concentration: 4.8 mg/mL (OD280nm, E0.1% = 1.4)

Buffer: 10 mM Phosphate, pH 7.4 containing 150 mM Sodium Chloride, 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.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one week or (in aliquots) at -20 °C for longer.