

# Ferritin monoclonal antibody, clone 4G8C3

Catalog # MAB1568

Size 1 mg

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against full length native ferritin.
<b>Immunogen</b>	Native purified ferritin from human liver.
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Isotype</b>	IgG1
<b>Quality Control Testing</b>	Antibody Reactive Against Native Purified Protein.
<b>Recommend Usage</b>	The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In 15 mM potassium phosphate buffer, 0.85% NaCl, pH 7.2 (0.05% sodium azide)
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — FTH1

<b>Entrez GeneID</b>	<a href="#">2495</a>
<b>Gene Name</b>	FTH1

Gene Alias	FHC, FTH, FTHL6, MGC104426, PIG15, PLIF
Gene Description	ferritin, heavy polypeptide 1
Omim ID	<a href="#">134770</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	This gene encodes the heavy subunit of ferritin, the major intracellular iron storage protein in prokaryotes and eukaryotes. It is composed of 24 subunits of the heavy and light ferritin chains. Variation in ferritin subunit composition may affect the rates of iron uptake and release in different tissues. A major function of ferritin is the storage of iron in a soluble and nontoxic state. Defects in ferritin proteins are associated with several neurodegenerative diseases. This gene has multiple pseudogenes. Several alternatively spliced transcript variants have been observed, but their biological validity has not been determined. [provided by RefSeq]
Other Designations	apoferritin placenta immunoregulatory factor proliferation-inducing protein 15

## Gene Info — FTL

Entrez GeneID	<a href="#">2512</a>
Gene Name	FTL
Gene Alias	MGC71996
Gene Description	ferritin, light polypeptide
Omim ID	<a href="#">134790</a> <a href="#">600886</a> <a href="#">606159</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	This gene encodes the light subunit of the ferritin protein. Ferritin is the major intracellular iron storage protein in prokaryotes and eukaryotes. It is composed of 24 subunits of the heavy and light ferritin chains. Variation in ferritin subunit composition may affect the rates of iron uptake and release in different tissues. A major function of ferritin is the storage of iron in a soluble and nontoxic state. Defects in this light chain ferritin gene are associated with several neurodegenerative diseases and hyperferritinemia-cataract syndrome. This gene has multiple pseudogenes. [provided by RefSeq]
Other Designations	L apoferritin ferritin L subunit ferritin L-chain ferritin light chain ferritin light polypeptide-like 3

## Pathway

- [Porphyrin and chlorophyll metabolism](#)

## Disease

- [Alzheimer disease](#)
- [Cognition](#)
- [Genetic Predisposition to Disease](#)
- [Huntington disease](#)
- [Lung Neoplasms](#)
- [Parkinson disease](#)
- [Parkinson disease](#)