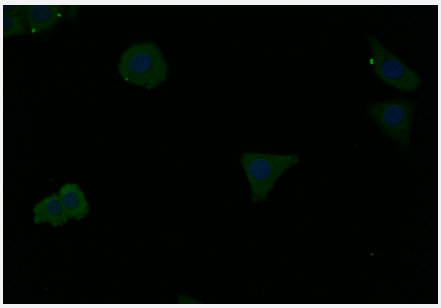
RecomAb™

FTH1 recombinant monoclonal antibody, clone 39G3

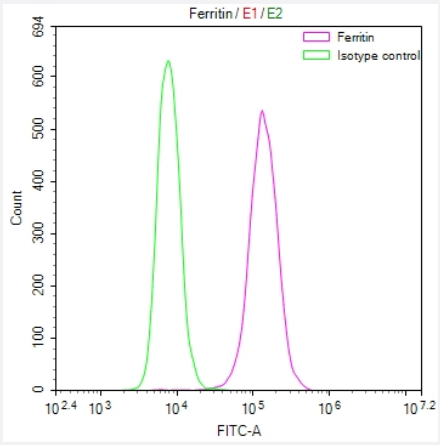
Catalog # RAB07691 Size 100 uL

Applications



Immunofluorescence

Immunofluorescence staining of HepG2 Cells with FTH1 recombinant monoclonal antibody, clone 39G3 at 1:10, counter-stained with DAPI.



Flow Cytometry

Overlay Peak curve showing 293 cells stained with FTH1 recombinant monoclonal antibody, clone 39G3 (red line) at 1:50.

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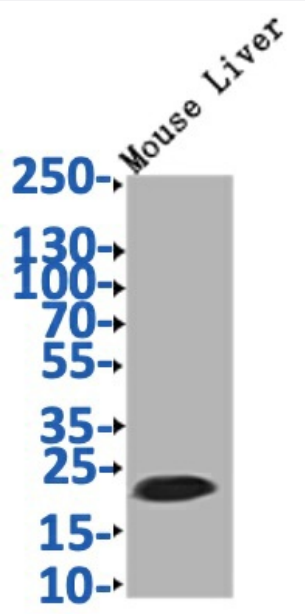

Western Blot

Western Blot analysis of Lane 1: Mouse Liver tissue lysate.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human and mouse FTH1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human FTH1.
Reactivity	Human, Mouse
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity chromatography purification
Isotype	IgG
Recommend Usage	ELISA Flow Cytometry(1:50-1:200) Immunofluorescence(1:20-1:200) Western Blot(1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.

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Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunofluorescence

  Immunofluorescence staining of HepG2 Cells with FTH1 recombinant monoclonal antibody, clone 39G3 at 1:10, counter-stained with DAPI.

- Flow Cytometry

  Overlay Peak curve showing 293 cells stained with FTH1 recombinant monoclonal antibody, clone 39G3 (red line) at 1:50.

- Enzyme-linked Immunoabsorbent Assay

- Western Blot

  Western Blot analysis of Lane 1: Mouse Liver tissue lysate.

Gene Info — FTH1

Entrez GeneID	2495
Protein Accession#	P02794
Gene Name	FTH1
Gene Alias	FHC, FTH, FTHL6, MGC104426, PIG15, PLIF
Gene Description	ferritin, heavy polypeptide 1
Omim ID	134770
Gene Ontology	Hyperlink
Gene Summary	This gene encodes the heavy subunit of ferritin, the major intracellular iron storage protein in prok aryotes and eukaryotes. It is composed of 24 subunits of the heavy and light ferritin chains. Variati on in ferritin subunit composition may affect the rates of iron uptake and release in different tissue s. A major function of ferritin is the storage of iron in a soluble and nontoxic state. Defects in ferriti n proteins are associated with several neurodegenerative diseases. This gene has multiple pseu dogenes. 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

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Pathway

- Porphyrin and chlorophyll metabolism

Disease

- Parkinson disease

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