

**MAD021Mu22**

**Monoclonal Antibody to Ferritin, Heavy Polypeptide (FTH)**

**Organism Species: *Mus musculus* (Mouse)**

***Instruction manual***

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

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13th Edition (Revised in Aug, 2023)

**[ PROPERTIES ]**

**Source:** Monoclonal antibody preparation

**Host:** Mouse

**Antibody isotype:** IgG2b Kappa

**Purification:** Protein A + Protein G affinity chromatography

**Clone number:** C7

**Traits:** Liquid

**Concentration:** 0.99mg/mL

**UOM:** 100µL

**Cross Reactivity:** Human

**Applications:** WB; IHC; ICC; IP.

**[ IMMUNOGEN ]**

**Immunogen:** Recombinant FTH (Met1~Ser182) expressed in *E.coli*

**Accession No.:** RPD021Mu01

**[ APPLICATIONS ]**

Western blotting: 0.01-5µg/mL;

Immunohistochemistry: 5-20µg/mL;

Immunocytochemistry: 5-20µg/mL;

Optimal working dilutions must be determined by end user.

**[ FORMULATION ]**

**Form & Buffer:** Supplied as solution form in PBS, pH7.4, containing 0.02% NaN<sub>3</sub>, 50% glycerol.

**[ STORAGE AND STABILITY ]**

**Storage:** Avoid repeated freeze/thaw cycles.

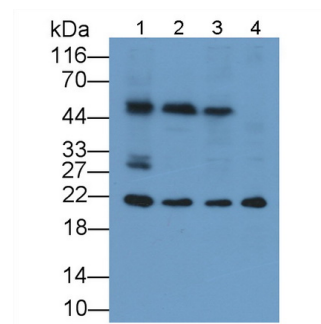
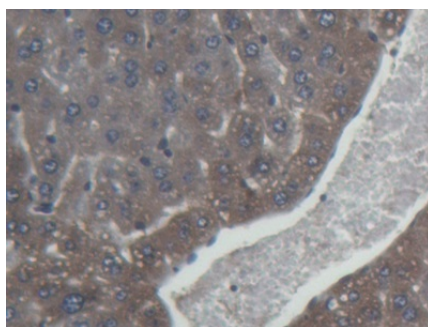
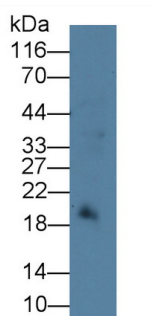
Store at 4°C for frequent use.

Aliquot and store at -20°C for 24 months.

**Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined

by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

### [ IDENTIFICATION ]



Western Blot; Sample: U87MG cell lysate  
Primary Ab: 5?g/ml Mouse Anti-Mouse FTH Antibody  
Second Ab: 0.2?g/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody  
(Catalog: SAA544Mu19)

DAB staining on IHC-P; Sample: Mouse Liver Tissue; Primary Ab: 20?g/ml Mouse Anti-Mouse FTH Antibody  
Second Ab: 2?g/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)

Western Blot; Sample: Lane1: Mouse Kidney lysate; Lane2: Mouse Heart lysate; Lane3: Mouse Liver lysate; Lane4: Mouse Cerebrum lysate  
Primary Ab: 5?g/ml Mouse Anti-Mouse FTH Antibody  
Second Ab: 0.2?g/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody  
(Catalog: SAA544Mu19)

### [ IMPORTANT NOTE ]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.