MAA518Eq21
Monoclonal Antibody to Ferritin (FE)
Organism Species: Equus caballus; Equine (Horse)
Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

9th Edition (Revised in Jul, 2013)

[PRODUCT INFORMATION]

Immunogen: Ferritin
Clonality: Monoclonal
Clone number: C5
Host: Mouse
Immunoglobulin Type: IgG
Purification: Affinity Chromatography.
Applications: WB, ICC, IHC-P, IHC-F, ELISA
Concentration: 500μg/mL
UOM: 200μg

[IMMUNOGEN INFORMATION]

Immunogen: Native Protein Ferritin.
Accession No.: NPA518Eq01

[RELEVANCE]

Ferritin is a ubiquitous intracellular protein that stores iron and releases it in a controlled fashion. The amount of ferritin stored reflects the amount of iron stored. The protein is produced by almost all living organisms. Ferritin is a protein of 450 kDa consisting of 24 subunits that is present in every cell type. Ferritin genes are highly conserved between species. All vertebrate ferritin genes have three introns and four exons. Ferritin serves to store iron in a non-toxic form, to deposit it in a safe form, and to transport it to areas where it is required.

[ANTIBODY SPECIFITY]

The antibody is a mouse monoclonal antibody raised against ferritin. It has been selected for its ability to recognize ferritin in immunohistochemical staining and western blotting.

[APPLICATIONS]

Western blotting: 1:100-400
Immunocytochemistry in formalin fixed cells: 1:100-500
Immunohistochemistry in formalin fixed frozen section: 1:100-500
Immunohistochemistry in paraffin section: 1:50-200
Enzyme-linked Immunosorbent Assay: 1:100-200
Optimal working dilutions must be determined by end user.

[CONTENTS]

Form & Buffer: Supplied as solution form in PBS, pH7.4, containing 0.02% NaN_3, 50% glycerol.

[STORAGE]

Store at 4ºC for frequent use. Stored at -20ºC to -80ºC in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.