



# Ferritin Heavy Chain Rabbit mAb

<b>Catalog No</b>	YP-Ab-17798
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human,Mouse,Rat,Hamster
<b>Applications</b>	WB,ICC/IF
<b>Gene Name</b>	FTH1
<b>Alternative Names</b>	FTH1; FTH; FTHL6; OK/SW-cl.84; PIG15; Ferritin heavy chain; Ferritin H subunit; Cell proliferation-inducing gene 15 protein
<b>Research Field</b>	Neuroscience
<b>Product Categories</b>	Primary antibody
<b>Host</b>	Rabbit
<b>Molecular Weight</b>	Calculated MW: 21 kDa; Observed MW: 21 kDa
<b>Clonality</b>	Monoclonal Antibody
<b>Clonality No.</b>	R03-3D9
<b>Dilution</b>	WB: 1/500-1/1000 IF: 1/50-1/200
<b>Immunogen</b>	A synthetic peptide of human Ferritin
<b>Purification</b>	Affinity Purified
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Form</b>	Liquid
<b>Buffer System</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Background</b>	The assembled ferritin molecule, often referred to as a nanocage, can store up to 4,500 atoms of iron. It forms a holoenzyme of ~450 kDa, consisting of 24 subunits made up of two types of polypeptide chains: ferritin heavy chain and ferritin light chain, each having unique functions. Ferritin heavy chains catalyze the first step in iron storage, the oxidation of Fe(II), whereas ferritin light chains promote the nucleation of ferrihydrite, enabling storage of Fe(III).



**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**



