



# Anti-Ferritin monoclonal antibody, clone NM12G13 (DCABH-20049)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	MAb to Human Ferritin Monoclonal Antibody to Human Ferritin
<b>Antigen Description</b>	<p>Ferritin is a ubiquitous intracellular protein that stores iron and releases it in a controlled fashion. The protein is produced by almost all living organisms, including algae, bacteria, higher plants, and animals. In humans, it acts as a buffer against iron deficiency and iron overload. Ferritin is found in most tissues as a cytosolic protein, but small amounts are secreted into the serum where it functions as an iron carrier. Plasma ferritin is also an indirect marker of the total amount of iron stored in the body, hence serum ferritin is used as a diagnostic test for iron deficiency anemia.</p> <p>Ferritin is a globular protein complex consisting of 24 protein subunits and is the primary intracellular iron-storage protein in both prokaryotes and eukaryotes, keeping iron in a soluble and non-toxic form. Ferritin that is not combined with iron is called apoferritin.</p>
<b>Specificity</b>	Human Ferritin
<b>Target</b>	Ferritin
<b>Immunogen</b>	Purified human ferritin.
<b>Isotype</b>	IgG2b
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	NM12G13
<b>Affinity Constant</b>	Not determined

<b>Purification</b>	>95% pure (SDS-PAGE). Protein G chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA (Det)
<b>Format</b>	Purified, Liquid
<b>Concentration</b>	2.0mg/ml (OD280nm)
<b>Size</b>	1 mg
<b>Buffer</b>	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN <sub>3</sub> as a preservative
<b>Preservative</b>	0.095 % NaN <sub>3</sub>
<b>Storage</b>	Short-term (up to 2 months) store at < -20°C. Long term (>2 months) store at < -40°C.

## BACKGROUND

<b>Introduction</b>	Ferritin is a ubiquitous intracellular protein that stores iron and releases it in a controlled fashion. The protein is produced by almost all living organisms, including algae, bacteria, higher plants, and animals. In humans, it acts as a buffer against
<b>Keywords</b>	Anti-Ferritin Mab; Ferritin; Mouse Anti-Ferritin Monoclonal Antibody; Ferritin; Ferritin; Mouse Anti-Human FTH1 Monoclonal Antibody; Anti-HumanFTH1 Monoclonal Antibody; HumanFTH1 Monoclonal Antibody; Mouse Anti-Human FTH1 MAb; Anti-Human FTH1 MAb; Human F

## GENE INFORMATION

<b>Entrez Gene ID</b>	<a href="#">2495</a>
<b>UniProt ID</b>	<a href="#">P02794</a>