



Human Ferritin (DAG-T1001)

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

PRODUCT INFORMATION

Species	Human
Purity	≥95% (SDS-PAGE)
Conjugate	Unconjugated
Cas.No	9007-73-2
Molecular Weight	440 kDa
Format	Liquid
Concentration	3 - 6 mg/mL (Lowry)
Size	0.1 mg
Buffer	Solution in tris buffered sodium chloride, pH 7.5, with bromo-nitro-dioxane and methylisothiazolone as preservatives.
Preservative	None
Storage	2-8°C

BACKGROUND

Introduction	Ferritin is an iron-containing protein that plays a major role in the storage and recycling of iron and its incorporation in the haemoproteins (haemoglobin and the cytochromes) where it is required for oxygen transport and cellular respiration. The protein takes up iron in the FeII(ferrous) form where it is oxidised to the FeIII oxidation state and stored as a ferric-phosphate hydroxide within the centre of the ferritin oligomer. Free iron is toxic to most organisms because it is a source of free radicals via the iron redox cycle (Fenton cycle). Iron
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stored by ferritin is in asoluble and non-toxic form.

Keywords

Ferritin heavy chain; Ferritin heavy chain like; Ferritin heavy polypeptide 1; Ferritin L chain; Ferritin L subunit; FHC; FTH; FTH1; FTHL6; FTL; FTL protein; FTMT; L apoferritin; MGC71996; Mitochondrial ferritin; MTF; PIG15; PLIF; ferritin, heavy polypeptide 1; MGC104426
