

Anti-h Ferritin 8806 SPTN-5

Product overview

Catalog number	100112
Specificity	Antibody recognizes human ferritin
Description	Monoclonal mouse antibody, cultured <i>in vitro</i> under conditions free from animal-derived components.
Product buffer solution	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN ₃ as a preservative
Shelf life and storage	24 months from manufacturing at 2–8 °C
Subclass	IgG ₁
Analyte description	Ferritin is a protein that stores iron and releases it in a controlled fashion, in single cells and multi-celled animals. It is a buffer against iron deficiency and iron overload. Serum ferritin levels are measured in patients as part of the iron studies workup for anemia.

Parameters tested on each lot

Product appearance	Liquid, may turn slightly opaque during storage
Product concentration	5.0 mg/ml (+/- 10 %)
Immunoreactivity	80–120 % compared to the reference sample in an FIA test
IEF Profile	6.5–7.6
Purity	≥ 95 %

Kinetic parameters

Association rate constant	Not Determined (N/D)	1.1 x 10 ⁷ 1/Ms
Dissociation rate constant	N/D	Does not dissociate under conditions used.
Affinity constant	3 x 10 ¹⁰ 1/M	Not applicable (N/A)
Determination method	Radioimmunoassay (RIA)	BLI (Octet RED96e)
Determination antigen	Ferritin (spleen), Chemicon (Cat AG19P, Lot 23895026)	Ferritin (Human Liver), Medix Biochemica (Cat 270-40)



Legal disclaimer

Cross-reactivities

Human ferritin (liver)	165 % (Fitzgerald, Cat 30-AF10, Lot A5112405)
Human ferritin (placenta)	170 % (Chemicon, Cat AG4P, Lot A127495228)
Human ferritin (heart)	< 1.7 % (Fitzgerald, Cat 30-AF05, Lot A3062901)

Epitope N/D

Pair recommendations

CAPTURE ANTIBODY	DETECTION ANTIBODY
8806	8803

Please note that pair recommendations are based on results obtained by our laboratory. Equally good results may be obtained using other pairs and therefore these recommendations are only indicative.

Platforms tested N/D

Antigens tested Native Ferritin (Human Liver) antigen, Medix Biochemica 270-40.

Product stability

TEMPERATURE, TIME	RESULT
-70 °C, 21 days	N/D
-20 °C, 21 days	OK
+4 °C, 21 days	OK
+30 °C, 21 days	OK
+35 °C, 7 days	N/D
+35 °C, 21 days	Reduced immunoreactivity
+45 °C, 3 days	Reduced immunoreactivity
+45 °C, 7 days	Reduced immunoreactivity

Stability testing is performed in the product buffer to see whether different temperatures affect the antigen binding, charge or composition of the antibody. Please note that the shelf life given on the first page is based on real time stability testing at 2–8 °C in the product buffer.

Miscellaneous -

References -

