

PRODUCT SPECIFICATIONS

Name	Anti-h Ferritin 8803 SPRN-5
Specificity	Antibody recognizes human ferritin
Description	Monoclonal mouse antibody, cultured <i>in vitro</i> under conditions free from animal-derived components
Product code	100111
Product buffer solution	37 mM citrate, 125 mM phosphate, 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
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	6.7 - 7.3
Purity	≥ 95 %

PARAMETERS DETERMINED DURING PRODUCT DEVELOPMENT

Subclass	IgG _{2b}
Association rate constant	Not Determined (N/D)
Dissociation rate constant	N/D
Affinity constant	3 x 10 ¹⁰ l/mol
Determination method	Radioimmunoassay (RIA)
Determination antigen	Ferritin (spleen), Chemicon (Cat AG19P, Lot 23895026)

Legal disclaimer

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Cross-reactivities

Human ferritin (liver)	167 % (Fitzgerald, Cat 30-AF10, Lot A5112405)
Human ferritin (placenta)	201 % (Chemicon, Cat AG4P, Lot A127495228)
Human ferritin (heart)	< 1.4 % (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.

Product stability

TEMPERATURE, TIME	RESULT
-70 °C, 21 days	OK
-20 °C, 21 days	OK
+4 °C, 21 days	OK
+25 °C, 21 days	OK
+35 °C, 7 days	OK
+35 °C, 21 days	OK, some charge alterations
+45 °C, 3 days	OK
+45 °C, 7 days	OK, some charge alterations

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 -

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