

## Anti-h Ferritin 8803 SPRN-5

### Product overview

<b>Catalog number</b>	100111
<b>Specificity</b>	Antibody recognizes human ferritin
<b>Description</b>	Monoclonal mouse antibody, cultured <i>in vitro</i> under conditions free from animal-derived components.
<b>Product buffer solution</b>	37 mM citrate, 125 mM phosphate, pH 6.0, 0.9 % NaCl, 0.095 % NaN <sub>3</sub> as a preservative
<b>Shelf life and storage</b>	24 months from manufacturing at 2–8 °C
<b>Subclass</b>	IgG <sub>2b</sub>
<b>Analyte description</b>	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

<b>Product appearance</b>	Liquid, may turn slightly opaque during storage
<b>Product concentration</b>	5.0 mg/ml (+/- 10 %)
<b>Immunoreactivity</b>	80–120 % compared to the reference sample in an FIA test
<b>IEF Profile</b>	6.4–7.5
<b>Purity</b>	≥ 95 %

### Kinetic parameters

<b>Association rate constant</b>	Not Determined (N/D)	1.3 x 10 <sup>7</sup> 1/Ms
<b>Dissociation rate constant</b>	N/D	Does not dissociate under conditions used.
<b>Affinity constant</b>	3 x 10 <sup>10</sup> 1/M	Not applicable (N/A)
<b>Determination method</b>	Radioimmunoassay (RIA)	BLI (Octet RED96e)
<b>Determination antigen</b>	Ferritin (spleen), Chemicon (Cat AG19P, Lot 23895026)	Ferritin (Human Liver), Medix Biochemica (Cat 270-40)



#### Legal disclaimer

**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 8806 DETECTION ANTIBODY 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.

TEMPERATURE, TIME	RESULT
-70 °C, 21 days	OK
-20 °C, 21 days	OK
+4 °C, 21 days	OK
+35 °C, 21 days	OK
+45 °C, 7 days	OK

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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