

**MISCELLANEOUS PRODUCT SPECIFICATIONS**

Date: 2010-05-24

<b>PRODUCT NAME</b>	: Anti-h Ferritin 8803 SPRN-5
<b>PRODUCT SPECIFICITY</b>	: Antibody recognizes human Ferritin
<b>PRODUCT CODE</b>	: 100111
<b>PRODUCT BUFFER</b>	: 37 mM citrate, 125 mM phosphate, pH 6.0, 0.9 % NaCl, 0.1 % NaN <sub>3</sub> as a preservative
<b>SHELF LIFE AND STORAGE</b>	: 24 months from manufacturing at 2-8 °C
<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 FROM EACH LOT**

<b>PRODUCT APPEARANCE</b>	: Clear liquid
<b>PRODUCT CONCENTRATION</b>	: 5.0 mg/ml (+/- 10 %)
<b>PRODUCT ACTIVITY</b>	: 80-120 % compared to reference in an IFMA-test
<b>IEF-RANGE</b>	: 5.8 - 7.3
<b>PURITY</b>	: ≥ 95 %

**PARAMETERS DETERMINED ONLY DURING PRODUCT R&D PHASE**

<b>CLASS AND SUBCLASS</b>	: IgG <sub>2b</sub>
<b>ASSOCIATION CONSTANT</b>	:
<b>DISSOCIATION CONSTANT</b>	:
<b>AFFINITY CONSTANT</b>	: 3 x 10 <sup>10</sup> l/mol
<b>DETERMINATION METHOD</b>	: Radioimmunoassay (RIA)
<b>ANTIGEN</b>	: Ferritin (spleen), Chemicon (Cat No AG19P Lot 23895026)
<b>CROSS-REACTIVITIES</b>	: Human ferritin (liver) 167 % (Fitzgerald Cat No 30-AF10 Lot A5112405) Human ferritin (placenta) 201 % (Chemicon Cat No AG4P Lot A127495228) Human ferritin (heart) < 1.4 % (Fitzgerald Cat No 30-AF05 Lot A3062901)

**EPITOPE** :

**EPITOPE GROUP** :

Two antibodies binding to the same, or closely located epitopes, belong to the same group and hence cannot be used as a pair in a sandwich assay. Epitope group numbering does not give any detailed information where the epitope is located.

**PAIR RECOMMENDATIONS** :

<b>SOLID</b>	<b>LABEL</b>
8806	8803

Please note that pair recommendations are based on results obtained in our laboratory and equally good results can be obtained using also other pairs and therefore these recommendations should be taken only as directive.

**PRODUCT STABILITY** :

<b>TEMPERATURE, DAYS</b>	<b>RESULT</b>
-70 °C, 21 days	
-20 °C, 21 days	
+4 °C, 21 days	
+25 °C, 21 days	
+35 °C, 7 days	
+35 °C, 21 days	
+45 °C, 3 days	
+45 °C, 7 days	
<b>pH, 14 DAYS, +4 °C</b>	<b>RESULT</b>
5.0	
6.0	
7.0	
8.0	

**MISCELLANEOUS** :

**REFERENCES** :

### Legal disclaimer

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