

**PRODUCT SPECIFICATIONS**

Date: 2011-08-12

<b>PRODUCT NAME</b>	:	Anti-h Myoglobin 7005 SPTN-1
<b>PRODUCT SPECIFICITY</b>	:	Antibody recognize human Myoglobin
<b>PRODUCT CODE</b>	:	100077
<b>PRODUCT BUFFER</b>	:	50 mM Na-citrate, pH 6.5, 0.9 % NaCl, 0.1 % NaN <sub>3</sub> as a preservative
<b>SHELF LIFE AND STORAGE</b>	:	36 months from manufacturing at 2-8 °C
<b>ANALYTE DESCRIPTION</b>	:	Myoglobin is a single-chain globular protein, containing a heme prosthetic group in the center around which the remaining apoprotein folds. It is the primary oxygen-carrying pigment of muscle tissues. Myoglobin is a sensitive marker for muscle injury.

**PARAMETERS TESTED FROM EACH LOT**

<b>PRODUCT APPEARANCE</b>	:	Clear liquid
<b>PRODUCT CONCENTRATION</b>	:	1.00 mg/ml (+/- 10 %)
<b>PRODUCT ACTIVITY</b>	:	80-120 % compared to reference in an IFMA-test
<b>IEF-RANGE</b>	:	5.5 - 6.7
<b>PURITY</b>	:	≥ 95 %

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

<b>CLASS AND SUBCLASS</b>	:	IgG <sub>1</sub>
<b>ASSOCIATION CONSTANT</b>	:	N/D
<b>DISSOCIATION CONSTANT</b>	:	N/D
<b>AFFINITY CONSTANT</b>	:	1 x 10 <sup>9</sup> l/mol
<b>DETERMINATION METHOD</b>	:	Radioimmunoassay (RIA)
<b>ANTIGEN</b>	:	Myoglobin, Scripps Laboratories (Cat No M0714 Lot 978264)
<b>CROSS-REACTIVITIES</b>	:	Hemoglobin < 0.01% (Sigma Cat No H-7379 Lot 91H9314)

**EPITOPE** : N/D

**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** : 

SOLID	LABEL
7005	7004

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

**PRODUCT STABILITY** : 

TEMPERATURE, DAYS	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	OK
+35 °C, 21 days	OK, but charge changes
+45 °C, 3 days	OK
+45 °C, 7 days	OK, but charge changes

Please note that the shelf life given on page one is based on real time stability testing at +2-8 °C in the product buffer.

Stability testing is performed in the product buffer to see whether different temperatures affect the antigen binding, charge or composition of the antibody. The maximum duration of the test is 21 days, except for the +45 °C only 7 days.

pH, 14 DAYS, +4 °C	RESULT
5.0	N/D
6.0	N/D
7.0	N/D
8.0	N/D

Stability testing is performed to see whether pH affects the antigen binding, charge or composition of the antibody during 14 days at +4 °C.

**MISCELLANEOUS** : -

**REFERENCES** : -

### Legal disclaimer

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