

PRODUCT SPECIFICATIONS

Name	Anti-h Myoglobin 7005 SPTN-5
Specificity	Antibody recognizes human myoglobin
Description	Monoclonal mouse antibody, cultured <i>in vitro</i> under conditions free from animal-derived components
Product code	100078
Product buffer solution	50 mM Na-citrate, pH 6.5, 0.9 % NaCl, 0.095 % NaN ₃ as a preservative
Shelf life and storage	36 months from manufacturing at 2-8 °C
Analyte description	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 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	5.8 - 7.3
Purity	≥ 95 %

PARAMETERS DETERMINED DURING PRODUCT DEVELOPMENT

Subclass	IgG ₁
Association rate constant	Not Determined (N/D)
Dissociation rate constant	N/D
Affinity constant	1 x 10 ⁹ l/mol
Determination method	Radioimmunoassay (RIA)
Determination antigen	Myoglobin, Scripps Laboratories (Cat M0714, Lot 978264)

Legal disclaimer

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Cross-reactivities Hemoglobin < 0.01% (Sigma, Cat H-7379, Lot 91H9314)

Epitope N/D

Pair recommendations

CAPTURE ANTIBODY	DETECTION ANTIBODY
7005	7004

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	N/D
	-20 °C, 21 days	OK
	+4 °C, 21 days	OK
	+35 °C, 7 days	OK
	+35 °C, 21 days	OK, but some charge alterations
	+45 °C, 3 days	OK
	+45 °C, 7 days	OK, but 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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