

MISCELLANEOUS PRODUCT SPECIFICATIONS

Date: 2009-12-02

PRODUCT NAME	: Anti-h CRP 6403 SPTN-5
PRODUCT SPECIFICITY	: Human C-reactive protein (CRP), binding is not Ca-dependent
PRODUCT CODE	: 100146
PRODUCT BUFFER	: 50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.1 % NaN ₃ as a preservative
SHELF LIFE AND STORAGE	: 24 months at 2-8 °C
ANALYTE DESCRIPTION	: CRP is a member of the class of acute-phase reactants, as its levels rise dramatically during inflammatory processes occurring in the body. CRP rises up to 50,000-fold in acute inflammation, such as infection. It rises above normal limits within 6 hours, and peaks at 48 hours. Its half-life is constant, and therefore its level is mainly determined by the rate of production (and hence the severity of the precipitating cause). CRP is used mainly as a marker of inflammation. Measuring and charting CRP values can prove useful in determining disease progress or the effectiveness of treatments.

PARAMETERS TESTED FROM EACH LOT

PRODUCT APPEARANCE	: Clear liquid
PRODUCT CONCENTRATION	: 5.0 mg/ml (+/- 10 %)
PRODUCT ACTIVITY	: 80 – 120 % compared to reference in an IFMA-test
IEF-RANGE	: 5.5 – 6.9
PURITY	: ≥ 95 %

PARAMETERS DETERMINED ONLY DURING PRODUCT R&D PHASE

CLASS AND SUBCLASS	: IgG ₁
ASSOCIATION CONSTANT	: N/D
DISSOCIATION CONSTANT	: N/D
AFFINITY CONSTANT	: 6 x 10 ⁹ 1/M
DETERMINATION METHOD	: Biacore
ANTIGEN	: Scripps CO124, lot.2200701
CROSS-REACTIVITIES	: No cross-reactivity against serum Amyloid-P complex, others not tested

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
	6403	6402, 6403
	6402	6403

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

MISCELLANEOUS :

REFERENCES : Käpyaho, K., Welin, M.-G., Tanner, P., Kärkkäinen, T., and Weber, T., (1989) Rapid determination of C-reactive protein by enzyme immunoassay using two monoclonal antibodies. *Scand. J. Clin. Lab. Invest.* , 49:389-393

Legal disclaimer

MedixMAB monoclonal antibodies meet their specifications if transported, stored and used according to the instructions for use. See also separate *Notes on use and storage of monoclonal antibodies*. If not otherwise agreed in writing all products are sold under *General Delivery Terms*. Other terms may apply if MedixMAB monoclonal antibodies are purchased from an official distributor of Medix Biochemica products. MedixMAB is a registered trademark of Medix Biochemica and may not be used or reproduced without Medix Biochemica's written permission. Further information on products and methods is available from medixMAB website and extranet.