Anti-h CRP LL00903 SPTN-5

Product overview

Catalog number	C-40-0085
Specificity	Antibody recognizes human C-reactive protein (CRP)
Description	Monoclonal mouse antibody, cultured in vitro under conditions free from animal-derived components.
Product buffer solution	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN3 as a preservative
Shelf life and storage	18 months from manufacturing at 2–8 °C
Subclass	IgG_1
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 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
IEF Profile	5.8-7.5
Purity	≥ 90 %

Kinetic parameters

Association rate constant	To Be Determined (TBD)
Dissociation rate constant	TBD
Affinity constant	TBD
Determination method	-
Determination antigen	-

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Cross-reactivities

Not Determined (N/D)

Epitope

N/D

Pair recommendations

		DETECTION	
		LL00902	LL00903
CAPTURE	LL00902	+	+
	LL00903	+	+

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

FIA, LF, IT, CLIA

Antigens tested

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Product stability

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

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References

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