

Product Datasheet

Anti-h CRP 6405 SPTN-5 100358

Product Name	Anti-h CRP 6405 SPTN-5
Catalog Number	100358
Description	Monoclonal mouse antibody, cultured in vitro under conditions free from animal-derived components.
Species/Host	Mouse
Tested Applications	LF, FIA, IT
Alternative Names	Antibody
Brand	Medix Biochemica
Form/Appearance	Liquid, may turn slightly opaque during storage
Concentration	5.0 mg/ml (+/- 10 %)
Storage	+2-8 °C
Note	Note that CRP is a pentameric protein. The same antibody can thus be used both as a capture and a detection antibody. Binding of CRP by antibody 6405 is not inhibited by EDTA or phosphorylcholine (Käpyaho et al. 1989).
Isotype	IgG1
Clonality	Monoclonal
Epitope	Not determined
Purity	≥ 95 %
Affinity constant	$K_A = 3.9 \times 10^{10} \text{ l/M}$; $K_D = 2.6 \times 10^{-11} \text{ M}$ (= 0.03 nM)
Buffer	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN ₃ as a preservative
IEF Profile	5.8-7.5
Cross Reactivity	Recognizes serum amyloid-P component (SAP) 0.02 % (Sigma, Cat S6012, Lot 34F0284)
Specificity	Antibody recognizes human C-reactive protein (CRP)
Shelf Life	18 months
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