

## Product Datasheet

### Anti-h CRP 6405 SPTN-5 100358

<b>Product Name</b>	Anti-h CRP 6405 SPTN-5
<b>Catalog Number</b>	100358
<b>Description</b>	Monoclonal mouse antibody, cultured in vitro under conditions free from animal-derived components.
<b>Tested Applications</b>	LF, IT, FIA
<b>Brand</b>	Medix Biochemica
<b>Form/Appearance</b>	Liquid, may turn slightly opaque during storage
<b>Concentration</b>	5.0 mg/ml (+/- 10 %)
<b>Storage</b>	+2-8°C
<b>Note</b>	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).
<b>Isotype</b>	IgG1
<b>Clonality</b>	Monoclonal
<b>Epitope</b>	N/D
<b>Purity</b>	≥ 95 %
<b>Affinity constant</b>	$K_A = 3.9 \times 10^{10} \text{ l/M}$ ; $K_D = 2.6 \times 10^{-11} \text{ M}$ (= 0.03 nM)
<b>Associated Products</b>	Recombinant CRP antigen, Lee Biosolutions 140-11R
<b>Buffer</b>	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN <sub>3</sub> as a preservative
<b>IEF Profile</b>	5.8-7.5
<b>Cross Reactivity</b>	Recognizes serum amyloid-P component (SAP) 0.02 % (Sigma, Cat S6012, Lot 34F0284)
<b>Specificity</b>	Antibody recognizes human C-reactive protein (CRP)
<b>Shelf Life</b>	18 months
<b>References</b>	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