

## **Product Datasheet**

**Anti-h CRP 6404 SP-2  
100058**

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<b>Product Name</b>	Anti-h CRP 6404 SP-2
<b>Catalog Number</b>	100058
<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>	2.0-2.5 mg/ml
<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.
<b>Isotype</b>	IgG1
<b>Clonality</b>	Monoclonal
<b>Epitope</b>	N/D
<b>Purity</b>	≥ 95 %
<b>Affinity constant</b>	$KA = 1.4 \times 10^{10} \text{ 1/M}$ ; $KD = 5.3 \times 10^{-11} \text{ M}$ (= 0.05 nM)
<b>Associated Products</b>	Recombinant CRP antigen, Lee Biosolutions 140-11R
<b>Buffer</b>	0.9 % NaCl, 0.095 % NaN3 as a preservative
<b>IEF Profile</b>	5.7-6.7
<b>Cross Reactivity</b>	Does not recognize serum amyloid-P complex
<b>Specificity</b>	Antibody recognizes human C-reactive protein (CRP)
<b>Shelf Life</b>	24 months
<b>References</b>	<p>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</p> <p>Nilsson, S., Lager, C., Laurell, T. and Birnbaum, S. (1989) Thin-layer immunoaffinity chromatography with bar code quantitation of C-reactive protein. Anal. Chem. 67: 3051-3056</p> <p>Tarkkinen, P., Palenius, T. and Lövgren, T. (2002) Ultrarapid, ultrasensitive one-step kinetic immunoassay for C-reactive protein (CRP) in whole blood samples: Measurement of the entire CRP concentration range with a single sample dilution, Clin.Chem. 48(2):269-277</p>