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Product Datasheet

Anti-h CRP 6404 SP-2
100058

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Product Name	Anti-h CRP 6404 SP-2
Catalog Number	100058
Description	Monoclonal mouse antibody, cultured in vitro under conditions free from animal-derived components.
Species/Host	Mouse
Tested Applications	FIA, IT, LF
Brand	Medix Biochemica
Form/Appearance	Liquid, may turn slightly opaque during storage
Concentration	2.0–2.5 mg/ml
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.
Isotype	IgG1
Clonality	Monoclonal
Epitope	Not determined
Purity	≥ 95 %
Affinity constant	KA= 1.4 x 10^{10} 1/M; KD= 5.3 x 10^{-11} M (= 0.05 nM)
Buffer	0.9 % NaCl, 0.095 % NaN3 as a preservative
IEF Profile	5.7–6.7
Cross Reactivity	Does not recognize serum amyloid-P complex
Specificity	Antibody recognizes human C-reactive protein (CRP)
Shelf Life	24 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 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: 351-356 Tarkkinen, P., Palenius,T. and Lövgren, T. (22) Ultrarapid, ultrasensitive one-step kinetic immunnoassay 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