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Product Datasheet

Anti-h AFP 5108 SP-5
100015

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Product Name	Anti-h AFP 5108 SP-5
Catalog Number	100015
Description	Monoclonal mouse antibody, cultured in vitro under conditions free from animal-derived components.
Species/Host	Mouse
Tested Applications	FIA
Immunogen	Native human AFP
Alternative Names	a-fetoprotein, alfa-1-fetoprotein, alpha-fetoglobulin, alpha fetal protein
Brand	Medix Biochemica
Form/Appear	Liquid, may turn slightly opaque during storage
Concentration	5.0 mg/ml (+/- 10 %)
Storage	+2–8 °C
Note	Authors in Koskinen et al. (2005) developed a dry- and wet-chemistry based assay methods for AFP with detection limits of 0.41 ng/mL and 0.67 ng/mL, respectively.
Isotype	IgG1
Clonality	Monoclonal
Epitope	Not determined
Purity	≥ 95 %
Affinity constant	KA= 3 x 10^{10} 1/M
Buffer	0.9 % NaCl, 0.095 % NaN_3 as a preservative
IEF Profile	6.5–7.1
Cross Reactivity	Does not recognize human albumin. Others not tested.
Specificity	Antibody recognizes human Alpha1-fetoprotein
Shelf Life	24 months
References	Koskinen, J.O., Meltola, N.J., Soini, E. and Soini, A.E. (25) A lab-on-a-chip compatible bioaffinity assay method for human a-fetoprotein. Lab Chip, 5:148-1411. Stenman, U.-H., Sutinen, M.-L., Selander, R.-K., Tontti, K. and Schröder, J. (1981) Characterization of a monoclonal antibody to human alpha-fetoprotein and its use in affinity chromatography. J. Immunol. Meth., 46:337-345.