

## Product Datasheet

### Anti-h AFP 5107 SP-1 100014

<b>Product Name</b>	Anti-h AFP 5107 SP-1
<b>Catalog Number</b>	100014
<b>Description</b>	Monoclonal mouse antibody, cultured in vitro under conditions free from animal-derived components.
<b>Tested Applications</b>	FIA
<b>Brand</b>	Medix Biochemica
<b>Form/Appearance</b>	Liquid, may turn slightly opaque during storage
<b>Concentration</b>	1.0 mg/ml (+/- 10 %)
<b>Storage</b>	+2-8°C
<b>Note</b>	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.
<b>Isotype</b>	IgG1
<b>Clonality</b>	Monoclonal
<b>Epitope</b>	N/D
<b>Purity</b>	≥ 95 %
<b>Affinity constant</b>	$KA = 4 \times 10^{10}$ 1/M
<b>Associated Products</b>	Native AFP antigen, Lee Biosolutions, 105-11
<b>Buffer</b>	0.9 % NaCl, 0.095 % NaN <sub>3</sub> as a preservative
<b>IEF Profile</b>	6.5-7.2
<b>Cross Reactivity</b>	Does not recognize human albumin. Others not tested.
<b>Specificity</b>	Antibody recognizes human Alpha1-fetoprotein
<b>Shelf Life</b>	24 months
<b>References</b>	Koskinen, J.O., Meltola, N.J., Soini, E. and Soini, A.E. (2005) A lab-on-a-chip compatible bioaffinity assay method for human $\alpha$ -fetoprotein. Lab Chip, 5:1408-1411. 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.