

## Product Datasheet

### Anti-h CEA 5909 SP-5 100428

<b>Product Name</b>	Anti-h CEA 5909 SP-5
<b>Catalog Number</b>	100428
<b>Description</b>	Monoclonal mouse antibody, cultured in vitro under conditions free from animal-derived components.
<b>Tested Applications</b>	CLIA, 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>	In Bhayana et al. (1989) authors made an epitope mapping for 11 monoclonal antibodies from Medix Biochemica and they found that the antibodies bound to 5 different epitope groups (A to F) and 5909 was found to bind to epitope group C.
<b>Isotype</b>	IgG1
<b>Clonality</b>	Monoclonal
<b>Epitope</b>	Epitope group C as described in Bhayana et al. (1989)
<b>Purity</b>	≥ 95 %
<b>Affinity constant</b>	$K_A = 3 \times 10^{10} \text{ 1/M}$
<b>Associated Products</b>	Native CEA antigen, Lee Biosolutions 151-09 and 151-10
<b>Buffer</b>	0.9 % NaCl, 0.095 % NaN <sub>3</sub> as a preservative
<b>IEF Profile</b>	6.0-7.1
<b>Cross Reactivity</b>	Does not recognize human NCA (non-specific cross-reacting antigen), NCA-2 or BGP-1 (biliary glycoprotein-1)
<b>Specificity</b>	Antibody recognizes human carcinoembryonic antigen
<b>Shelf Life</b>	36 months
<b>References</b>	Bhayana, V. and Diamandis, E.P. (1989) A double monoclonal time-resolved immunofluorometric assay of carcinoembryonic antigen in serum. Clin. Biochem., 22:433-438