

## Product Datasheet

### Anti-h LH 5304 SP-5 100022

<b>Product Name</b>	Anti-h LH 5304 SP-5
<b>Catalog Number</b>	100022
<b>Description</b>	Monoclonal mouse antibody, cultured in vitro under conditions free from animal-derived components.
<b>Tested Applications</b>	LF, FIA, CLIA
<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>	Nilsson et al. (2001) analyzed epitopes of 30 different LH mAbs. Antibody 5304 was classified as belonging to epitope group beta 1 recognizing intact LH and its beta subunit as well as a common variant of LH. Antibody 5304 did not cross react with hCG, TSH or FSH.
<b>Isotype</b>	IgG1
<b>Clonality</b>	Monoclonal
<b>Epitope</b>	Beta 1 as described in Nilsson et al. (2001) Two antibodies binding to the same, or closely located epitopes, belong to the same group and hence cannot be used as a pair in a sandwich assay. Epitope group numbering does not give any detailed information where the epitope is located.
<b>Purity</b>	≥ 95 %
<b>Affinity constant</b>	$KA = 2.9 \times 10^{11} \text{ 1/M}$ ; $KD = 3.4 \times 10^{-12} \text{ M}$ ( = 3.4 pM)
<b>Associated Products</b>	<b>Native LH antigen 996-31</b>
<b>Buffer</b>	0.9 % NaCl, 0.095 % NaN <sub>3</sub> as a preservative
<b>IEF Profile</b>	5.6-6.3
<b>Cross Reactivity</b>	LH 100 %, LH $\alpha$ 8 %, LH $\beta$ 108 %, FSH 1 %, hCG <0.03 %, TSH <0.03 %
<b>Specificity</b>	Antibody recognizes human luteinizing hormone (lutropin), and its beta-subunit
<b>Shelf Life</b>	36 months
<b>References</b>	Nilsson, C., Seppälä, M., and Pettersson, K., (2001) Immunological characterization of human luteinizing hormone with special regard to a common genetic variant. J.Endocrinol. 168:10- 116