

## Product Datasheet

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

Product Name	Anti-h LH 5304 SP-5
Catalog Number	100022
Description	Monoclonal mouse antibody, cultured in vitro under conditions free from animal-derived components.
Tested Applications	LF, CLIA, FIA
Brand	Medix Biochemica
Form/Appearance	Liquid, may turn slightly opaque during storage
Concentration	5.0 mg/ml (+/- 10 %)
Storage	+2-8°C
Note	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.
Isotype	IgG1
Clonality	Monoclonal
Epitope	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.
Purity	≥ 95 %
Affinity constant	$K_A = 2.9 \times 10^{11} \text{ l/M}$ ; $K_D = 3.4 \times 10^{-12} \text{ M}$ ( = 3.4 pM)
Associated Products	<b>Native LH antigen 996-31</b>
Buffer	0.9 % NaCl, 0.095 % NaN <sub>3</sub> as a preservative
IEF Profile	5.6-6.3
Cross Reactivity	LH 100 %, LH $\alpha$ 8 %, LH $\beta$ 108 %, FSH 1 %, hCG <0.03 %, TSH <0.03 %
Specificity	Antibody recognizes human luteinizing hormone (lutropin), and its beta-subunit
Shelf Life	36 months
References	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