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Product Datasheet

Anti-h LH 5302 SP-1
100018

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Product Name	Anti-h LH 5302 SP-1
Catalog Number	100018
Description	Monoclonal mouse antibody, cultured in vitro under conditions free from animal-derived components.
Tested Applications	LF, FIA, CLIA
Alternative Names	LH, Lutropin, Interstitial Cell-Stimulating Hormone
Brand	Medix Biochemica
Form/Appear	Liquid, may turn slightly opaque during storage
Concentration	1.0 mg/ml (+/- 10 %)
Storage	+2-8°C
Note	Nilsson et al. (2001) analyzed epitopes of 30 different LH mAbs. Antibody 5302 was classified as belonging to epitope group beta 1, recognizing intact LH, its beta subunit as well as a common variant of LH. Antibody 5302 did not cross react with TSH or FSH but a minor cross reaction with hCG was detected.
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	KA= 4.8 x 10^{10} 1/M; KD= 2.1 x 10^{-11} M (= 21 pM)
Associated Products	**Native LH antigen 996-31**
Buffer	0.9 % NaCl, 0.095 % NaN3 as a preservative
IEF Profile	5.6–6.3
Cross Reactivity	LH α 10 %, LH β 127 %, FSH 3 %, hCG 4 %, TSH 0.02 %
Specificity	Antibody recognizes human luteinizing hormone (lutropin), and its beta-subunit
Shelf Life	36 months
References	Federici, M.M., Fraser, R., Lundqvist, C., and Lankford, J.C., (1982) Production and characterization of monoclonal antibodies human lutenizing hormones. Fed. Proc., 41 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

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