Oy Medix Biochemica Ab
Headquarters
Klovinpellontie 3
FI-02180 Espoo
Finland
Email: sales@medixbiochemica.com

Medix Biochemica USA Inc.
10850 Metro Court
Maryland Heights, MO 63043
United States of America
Email: sales@medixbiochemica.com

Product Datasheet

Anti-h LH 5304 SP-5
100022

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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.
Species/Host	Mouse
Tested Applications	CLIA, FIA, LF
Alternative Names	LH, Lutropin, Interstitial Cell-Stimulating Hormone
Brand	Medix Biochemica
Form/Appeara	Liquid, may turn slightly opaque during storage
Concentratior	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	KA= 2.9 x 10^{11} 1/M; KD= 3.4 x 10^{-12} M (= 3.4 pM)
Buffer	0.9 % NaCl, 0.095 % NaN3 as a preservative
IEF Profile	5.6–6.3
Cross Reactivity	LH 100 %, LH a 8 %, LH ß 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., (21) Immunological characterization of human luteinizing hormone with special regard to a common genetic variant. J.Endocrinol. 168:1- 116