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Product Datasheet

Anti-h LH 5303 SPRN-5
100588

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Product Name	Anti-h LH 5303 SPRN-5
Catalog Number	100588
Description	Monoclonal mouse antibody, cultured in vitro under conditions free from animal-derived components.
Species/Host	Mouse
Tested Applications	CLIA, LF, FIA
Alternative Names	LH, Lutropin, Interstitial Cell-Stimulating Hormone
Brand	Medix Biochemica
Form/Appear	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 5303 was classified as belonging to epitope group beta 1 recognizing intact LH and its beta subunit, but only weakly a common variant of LH. Antibody 5303 did not cross react with hCG, TSH or FSH. Antibody 5303 reacts also with rat LH as described in Bielmeier et al. (2004).
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= 1.6 x 10^{11} 1/M; KD= 6.3 x 10^{-12}> M (= 6.3 pM)
Buffer	37 mM citrate, 125 mM phosphate, pH 6.0, 0.9 % NaCl, 0.095 % NaN3 as a preservative
IEF Profile	6.5–7.6
Cross Reactivity	LH a 9 %, LH ß 10 %, FSH 1 %, hCG < 0.02 %, TSH < 0.02 %
Specificity	Antibody recognizes human luteinizing hormone (lutropin)
Shelf Life	36 months

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References

Bielmeier, S.R., Best, D.S. and Narotsky, M.G. (24) Serum hormone characterization and exogenous hormone rescue of bromodichloromethane-induced pregnancy loss in the F344 rat. Toxicol. Sci. 77:11-18

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