
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. |
| Tested Applications | LF, FIA, CLIA |
| 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 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= 1.6×10^{11} 1/M; KD= 6.3×10^{-12} M (= 6.3 pM) |
| Associated Products | Native LH antigen 996-31 |
| 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 α 9 %, LH β 10 %, FSH 1 %, hCG < 0.02 %, TSH < 0.02 % |
| Specificity | Antibody recognizes human luteinizing hormone (lutropin) |
| Shelf Life | 36 months |
| References | <p>Bielmeier, S.R., Best, D.S. and Narotsky, M.G. (2004) Serum hormone characterization and exogenous hormone rescue of bromodichloromethane-induced pregnancy loss in the F344 rat. Toxicol. Sci. 77:101-108</p> <p>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</p> |