

## **Product Datasheet**

**Anti-h TSH 5404 SP-5  
100026**

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<b>Product Name</b>	Anti-h TSH 5404 SP-5
<b>Catalog Number</b>	100026
<b>Description</b>	Monoclonal mouse antibody, cultured in vitro under conditions free from animal-derived components.
<b>Species/Host</b>	Mouse
<b>Tested Applications</b>	CLIA, LF, FIA
<b>Alternative Names</b>	Thyrotropin
<b>Brand</b>	Medix Biochemica
<b>Form/Appearance</b>	Liquid, may turn slightly opaque during storage
<b>Concentration</b>	5.0 mg/ml (+/- 10 %)
<b>Storage</b>	+2-8 °C
<b>Isotype</b>	IgG1
<b>Clonality</b>	Monoclonal
<b>Epitope</b>	Group 1
<b>Purity</b>	≥ 95 %
<b>Affinity constant</b>	KA= 2.2 x 10 <sup>10</sup> 1/M; KD= 4.6 x 10 <sup>-11</sup> M (= 0.05 nM)
<b>Buffer</b>	0.9 % NaCl, 0.095 % NaN <sub>3</sub> as a preservative
<b>IEF Profile</b>	6.6-7.2
<b>Cross Reactivity</b>	hCG < 0.05 %, LH 1.0 %, FSH 1.0 %
<b>Specificity</b>	Antibody recognizes human thyrotropin and its free beta subunit
<b>Shelf Life</b>	36 months
<b>References</b>	Brockmann, E.-C., Pettersson, K and Vehniäinen M. (21) Use of high-capacity surface with oriented recombinant antibody fragments in a 5-min immunoassay for thyroid-stimulating hormone. Anal. Biochem., 396:242-249 Eskola, J., Mäkinen, P., Oksa, L., Loikas, K., Nauma, M., Jiang, Q., Håkansson, M., Suomi, J. and Kulmala, S. (26) Competitive immunoassay by hot electron-induced electrochemiluminescence detection and using a semiautomatic electrochemiluminometer. J. Luminesc., 118:238-244 Helenius, T. and Tikanoja, S. (1986) A sensitive and practical immunoradiometric assay of thyrotropin. Clin. Chem. 32:514-518 von Lode, P., Hagrén, V., Palenius, T. and Lövgren, T., (23) One-step quantitative thyrotropin assay for the detection of hypothyroidism in point-of-care conditions. Clin. Biochem., 36:121-128 Wu, F.-B., Han, S.-Q. and He, Y.-F. (22) Time-resolved immunofluorometry of serum hTSH with enhanced sensitivity. J. Immunoass. Immunochem., 23(2):191-21